

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044740.D
 Acq On : 12 Mar 2020 18:10
 Operator : CG/JU
 Sample : L1893-14MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Manual Integrations
 APPROVED

mohammad
 3/16/2020 1:48:21 PM

Quant Time: Mar 13 07:17:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	102328	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	428431	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	293840	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	660271	20.00	ng	0.00
76) Chrysene-d12	21.70	240	568806	20.00	ng	0.00
87) Perylene-d12	24.92	264	674399	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	737399	112.18	ng	0.00
7) Phenol-d6	7.21	99	1033821	108.25	ng	0.00
23) Nitrobenzene-d5	9.21	82	666725	68.29	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	387044	100.60	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1357321	66.15	ng	0.00
79) Terphenyl-d14	20.04	244	2039165	67.06	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.52	88	112893	35.664	ng	98
3) Pyridine	3.91	79	278128	29.680	ng	98
4) n-Nitrosodimethylamine	3.83	42	152068	42.770	ng	# 87
6) Aniline	7.37	93	278472	23.432	ng	96
8) 2-Chlorophenol	7.62	128	309534	47.171	ng	96
9) Benzaldehyde	7.18	77	251040	44.566	ng	95
10) Phenol	7.24	94	431753	45.662	ng	98
11) bis(2-Chloroethyl)ether	7.47	93	305218	40.446	ng	98
12) 1,3-Dichlorobenzene	7.94	146	315629	39.047	ng	98
13) 1,4-Dichlorobenzene	8.09	146	324673	40.627	ng	98
14) 1,2-Dichlorobenzene	8.41	146	294277	38.827	ng	94
15) Benzyl Alcohol	8.29	79	331317	43.236	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.59	45	507141	38.082	ng	100
17) 2-Methylphenol	8.49	107	283911	44.327	ng	92
18) Hexachloroethane	9.15	117	126901	40.334	ng	95
19) n-Nitroso-di-n-propylamine	8.86	70	270156	40.060	ng	97
20) 3+4-Methylphenols	8.82	107	396036	44.855	ng	97
22) Acetophenone	8.87	105	463442	38.183	ng	99
24) Nitrobenzene	9.25	77	405767	40.053	ng	98
25) Isophorone	9.78	82	740910	38.882	ng	99
26) 2-Nitrophenol	9.97	139	155924	44.755	ng	96
27) 2,4-Dimethylphenol	10.03	122	301268	48.549	ng	99
28) bis(2-Chloroethoxy)methane	10.27	93	425707	37.435	ng	98
29) 2,4-Dichlorophenol	10.51	162	311397	42.963	ng	99
30) 1,2,4-Trichlorobenzene	10.72	180	325397	37.546	ng	98
31) Naphthalene	10.91	128	931083	39.231	ng	99
32) Benzoic acid	10.17	122	183089	39.914	ng	90
33) 4-Chloroaniline	11.01	127	109147	10.208	ng	96
34) Hexachlorobutadiene	11.21	225	213905	37.532	ng	98
35) Caprolactam	11.78	113	113928m	41.516	ng	
36) 4-Chloro-3-methylphenol	12.13	107	364999	42.224	ng	97
37) 2-Methylnaphthalene	12.52	142	685192	38.595	ng	99
38) 1-Methylnaphthalene	12.74	142	661118	39.611	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	360662	37.270	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044740.D
 Acq On : 12 Mar 2020 18:10
 Operator : CG/JU
 Sample : L1893-14MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

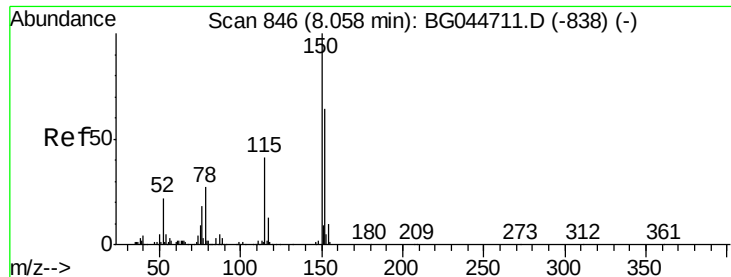
Manual Integrations
 APPROVED

mohammad
 3/16/2020 1:48:21 PM

Quant Time: Mar 13 07:17:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.87	237	493510	93.317	nq	94
43) 2,4,6-Trichlorophenol	13.12	196	265068	41.274	nq	97
44) 2,4,5-Trichlorophenol	13.19	196	285478	42.863	nq	97
46) 1,1'-Biphenyl	13.53	154	879720	37.464	nq	99
47) 2-Chloronaphthalene	13.56	162	671227	37.420	nq	99
48) 2-Nitroaniline	13.76	65	253334	40.340	nq	97
49) Acenaphthylene	14.41	152	1114372	39.654	nq	99
50) Dimethylphthalate	14.14	163	1041360	44.497	nq	98
51) 2,6-Dinitrotoluene	14.25	165	200901	42.588	nq	95
52) Acenaphthene	14.75	154	774791	42.098	nq	97
53) 3-Nitroaniline	14.58	138	93361	17.214	nq	97
54) 2,4-Dinitrophenol	14.78	184	194822	79.134	nq	# 69
55) Dibenzofuran	15.09	168	1044124	39.122	nq	99
56) 4-Nitrophenol	14.88	139	348392	84.170	nq	98
57) 2,4-Dinitrotoluene	15.04	165	272772	42.161	nq	96
58) Fluorene	15.74	166	855140	38.951	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.31	232	265470m	43.294	nq	
60) Diethylphthalate	15.51	149	946563	38.779	nq	98
61) 4-Chlorophenyl-phenylether	15.73	204	462065	39.087	nq	98
62) 4-Nitroaniline	15.74	138	209737	36.267	nq	98
63) Azobenzene	16.02	77	994034	39.216	nq	98
65) 4,6-Dinitro-2-methylphenol	15.81	198	144789	46.825	nq	99
66) n-Nitrosodiphenylamine	15.94	169	778577	39.166	nq	99
67) 4-Bromophenyl-phenylether	16.62	248	311817	37.776	nq	97
68) Hexachlorobenzene	16.75	284	338830	37.837	nq	97
69) Atrazine	16.89	200	306127	42.033	nq	99
70) Pentachlorophenol	17.08	266	417777	84.790	nq	96
71) Phenanthrene	17.47	178	1383734	39.217	nq	99
72) Anthracene	17.57	178	1397634	40.171	nq	100
73) Carbazole	17.83	167	1323268	39.595	nq	98
74) Di-n-butylphthalate	18.40	149	1584839	39.011	nq	99
75) Fluoranthene	19.48	202	1682394	40.046	nq	99
77) Benzidine	19.65	184	663238	35.917	nq	99
78) Pyrene	19.84	202	1691447	40.532	nq	99
80) Butylbenzylphthalate	20.74	149	731751	39.415	nq	96
81) Benzo(a)anthracene	21.69	228	1625807	39.694	nq	98
82) 3,3'-Dichlorobenzidine	21.60	252	238039	15.023	nq	95
83) Chrysene	21.75	228	1542958	39.437	nq	99
84) Bis(2-ethylhexyl)phthalate	21.62	149	1034242	40.364	nq	99
85) Di-n-octyl phthalate	22.84	149	1760435	41.058	nq	99
86) Indeno(1,2,3-cd)pyrene	28.59	276	2111959	41.174	nq	99
88) Benzo(b)fluoranthene	23.90	252	1750482	39.317	nq	99
89) Benzo(k)fluoranthene	23.97	252	1709653	40.577	nq	99
90) Benzo(a)pyrene	24.77	252	1638651	39.334	nq	99
91) Dibenzo(a,h)anthracene	28.66	278	1692804	41.188	nq	97
92) Benzo(g,h,i)perylene	29.72	276	1749547	42.133	nq	98

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



#1

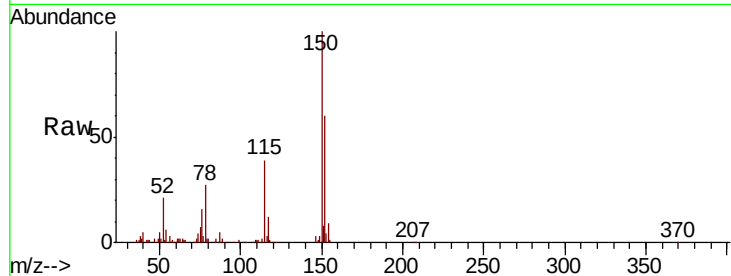
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.9	125.3	187.9
115	65.5	51.7	77.5

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM

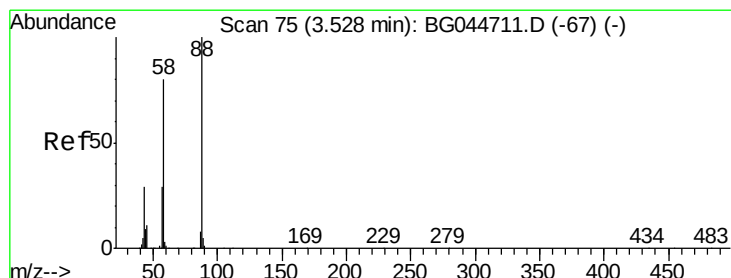
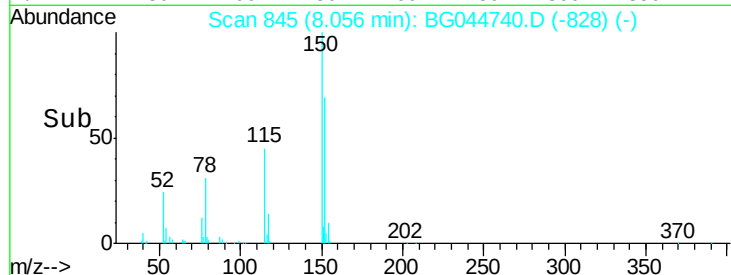
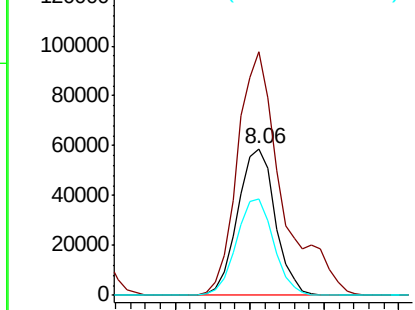


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

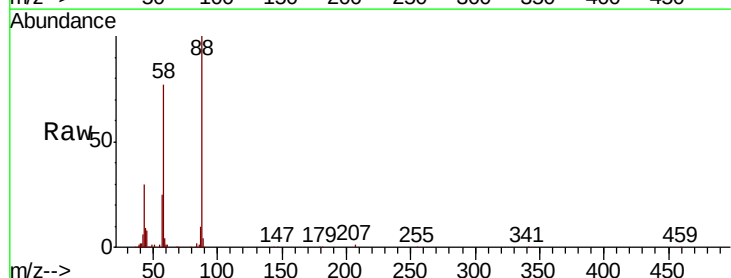
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.664 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.9	63.0	94.4
43	31.7	23.2	34.8

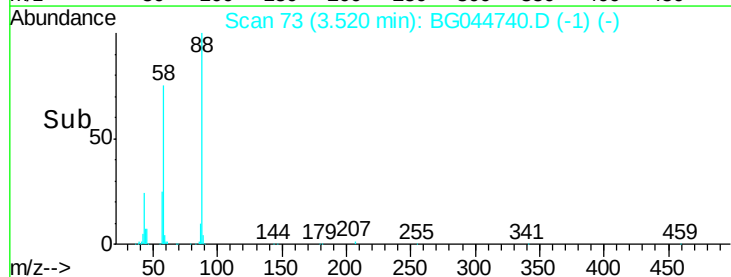
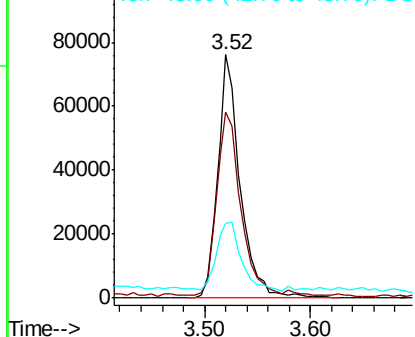


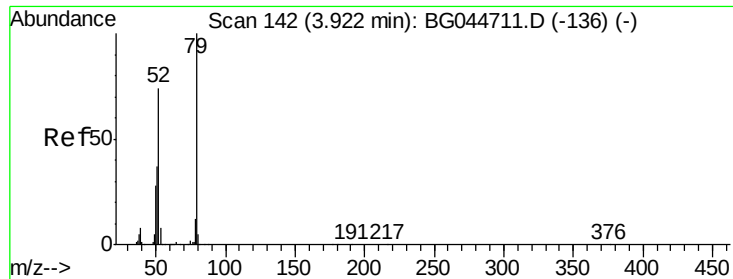
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 29.680 ng

RT: 3.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

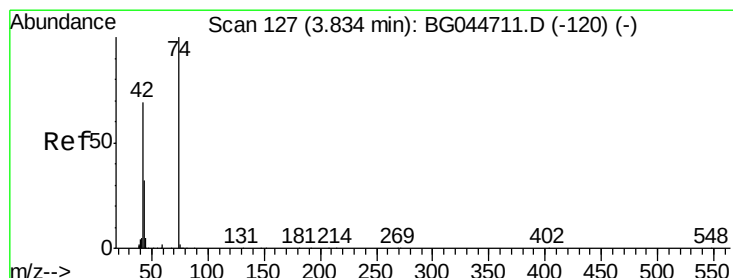
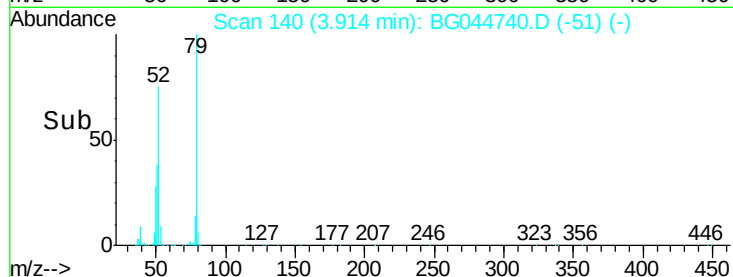
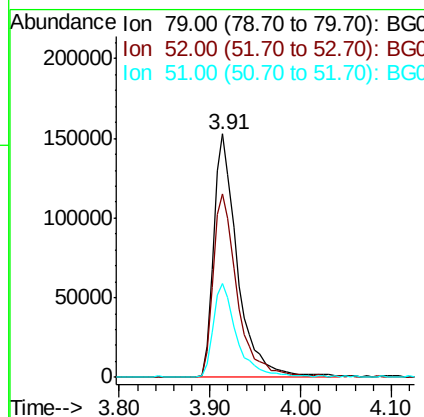
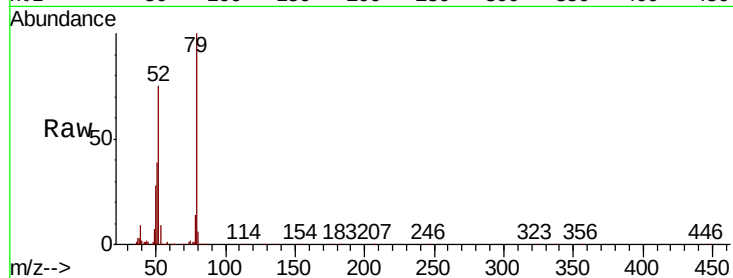
ClientSampleId :

TP-4-SAMS

Tot Ion:	79	Resp:	278128
Ion	Ratio	Lower	Upper
79	100		
52	75.3	59.4	89.2
51	38.7	29.7	44.5

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#4

n-Nitrosodimethylamine

Concen: 42.770 ng

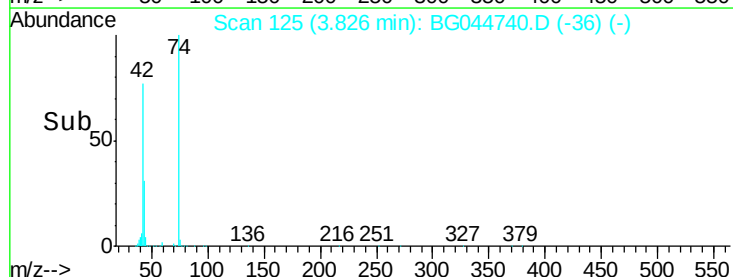
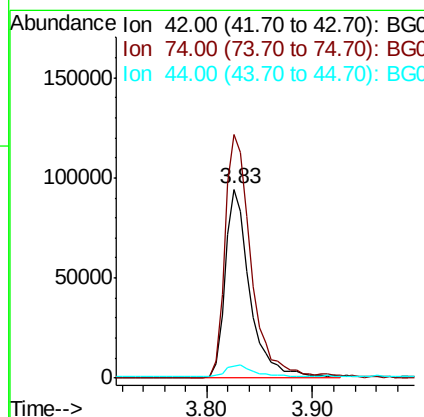
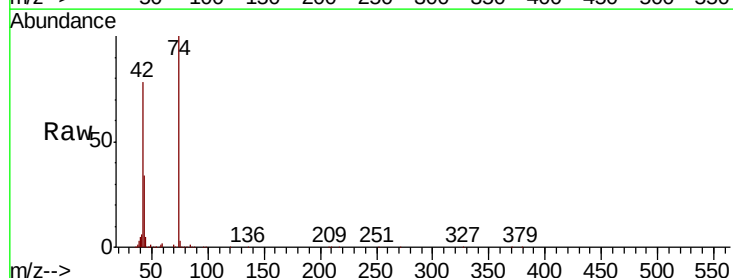
RT: 3.83 min Scan# 125

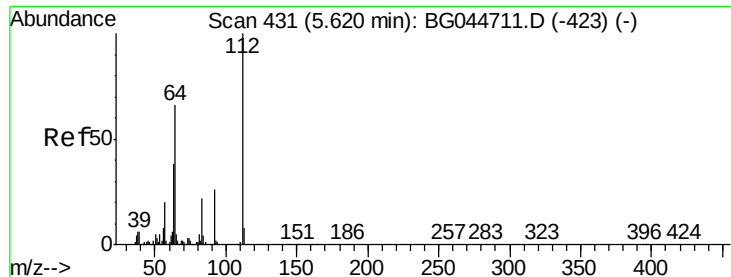
Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	42	Resp:	152068
Ion	Ratio	Lower	Upper
42	100		
74	128.9	116.1	174.1
44	6.5	7.1	10.7#





#5

2-Fluorophenol

Concen: 112.179 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

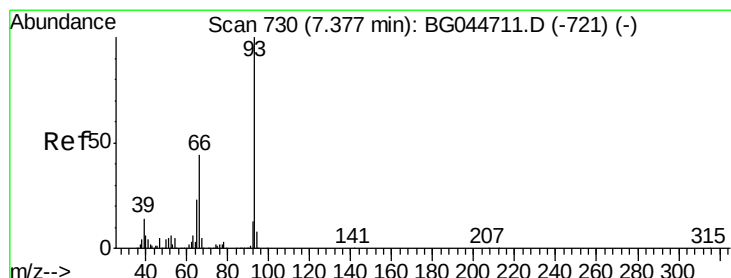
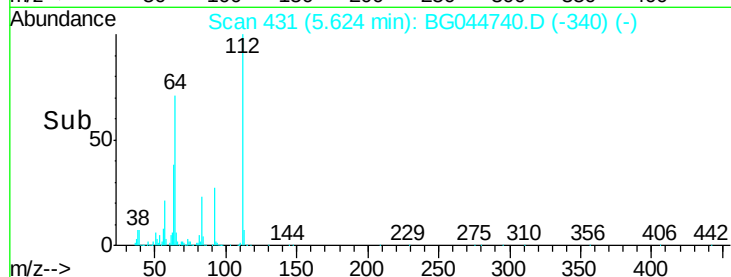
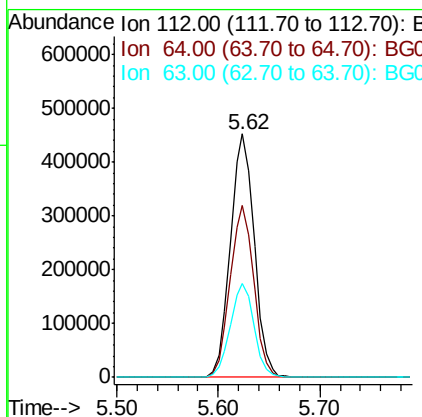
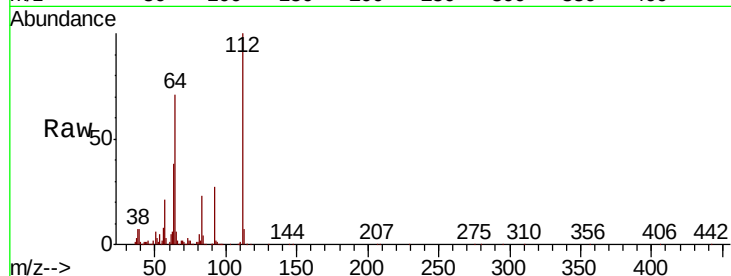
ClientSampleId :

TP-4-SAMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		737399		
64	70.8		52.6	78.8	
63	38.3		30.2	45.4	

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#6

Aniline

Concen: 23.432 ng

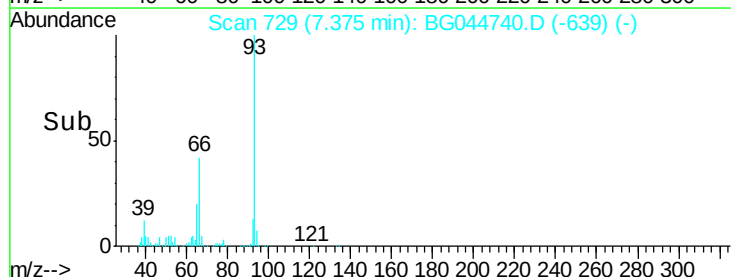
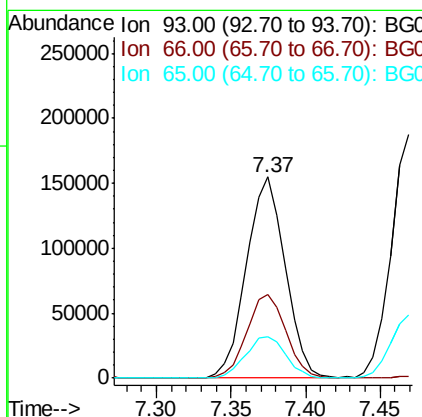
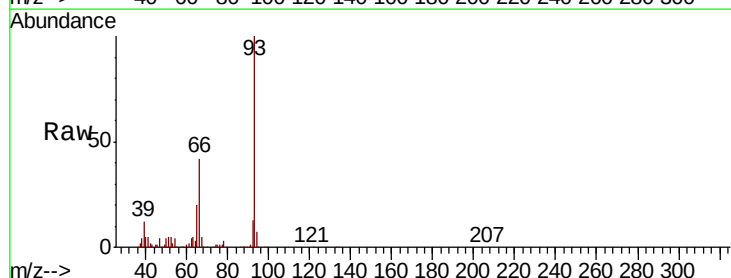
RT: 7.37 min Scan# 729

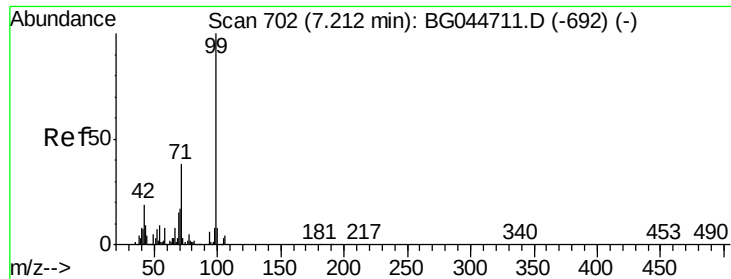
Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		278472		
66	41.7		35.3	52.9	
65	20.3		18.2	27.4	





#7

Phenol-d6

Concen: 108.245 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion: 99 Resp: 1033821

Ion Ratio Lower Upper

99 100

42 19.4 15.4 23.0

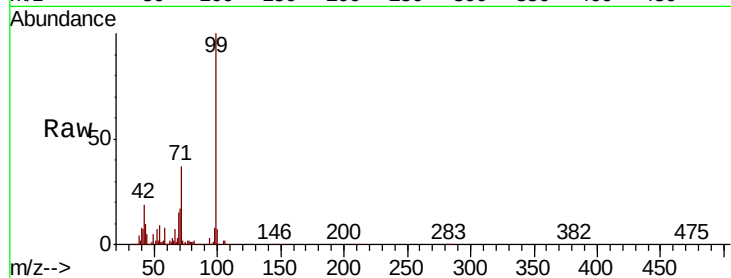
71 36.8 30.2 45.4

Manual Integrations

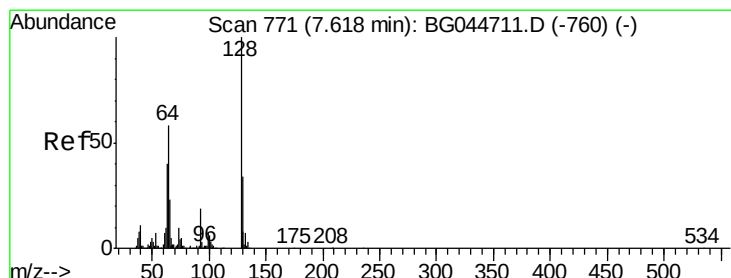
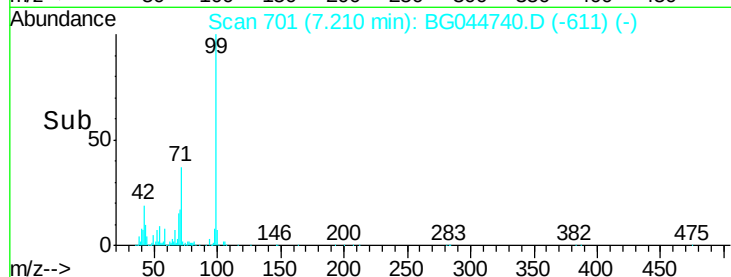
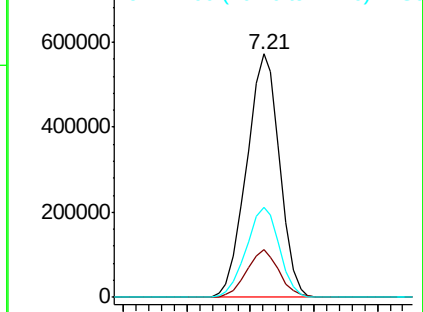
APPROVED

mohammad

3/16/2020 1:48:21 PM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 47.171 ng

RT: 7.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

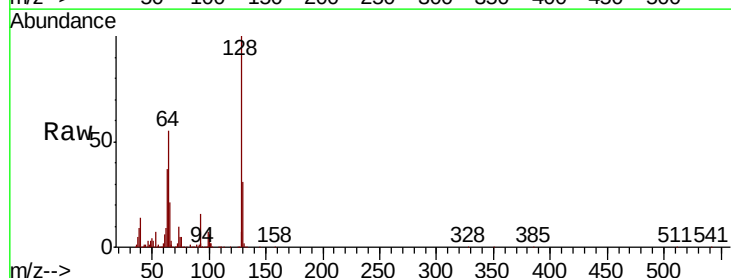
Tgt Ion: 128 Resp: 309534

Ion Ratio Lower Upper

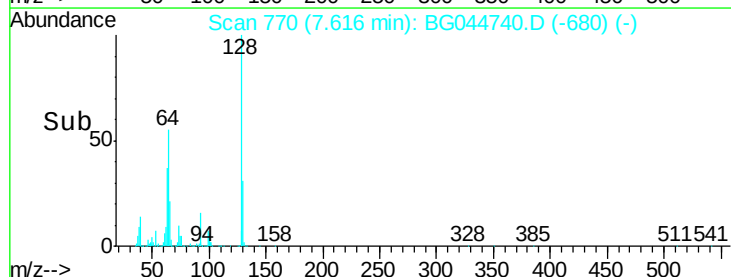
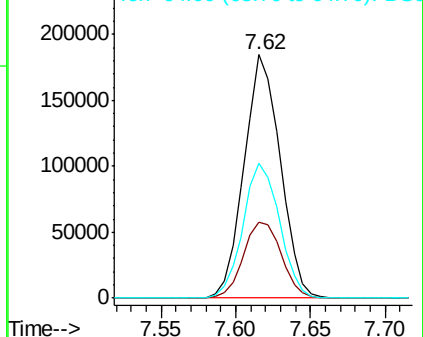
128 100

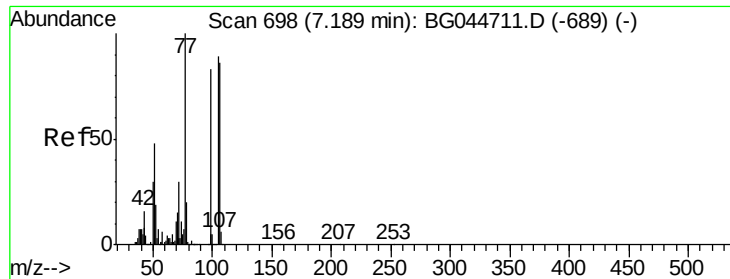
130 31.2 13.6 53.6

64 55.2 38.6 78.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 44.566 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

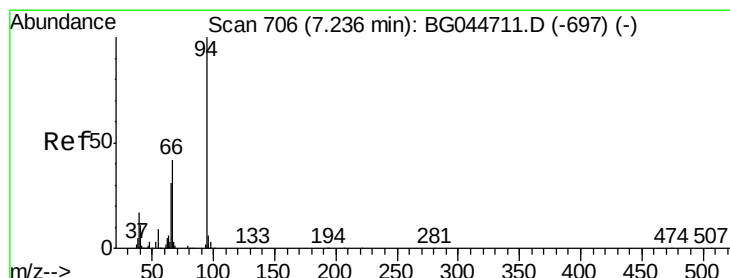
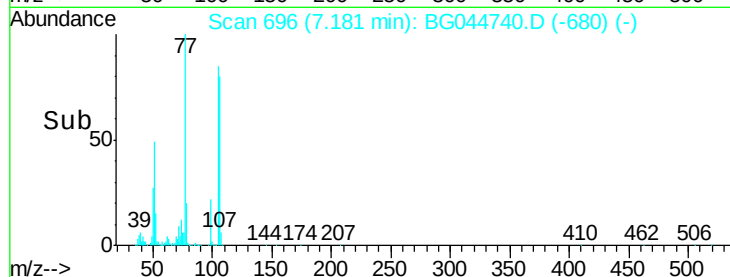
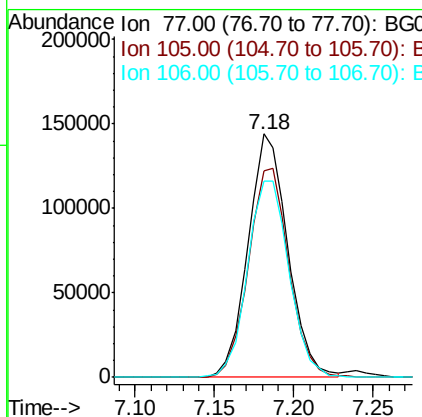
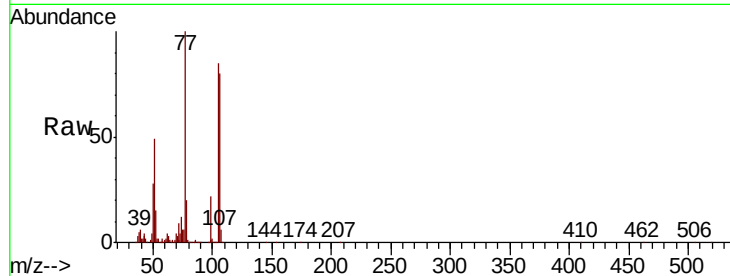
ClientSampleId :

TP-4-SAMS

Tot Ion:	77	Resp:	251040
Ion Ratio	Lower	Upper	
77	100		
105	84.9	68.6	108.6
106	80.4	65.9	105.9

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#10

Phenol

Concen: 45.662 ng

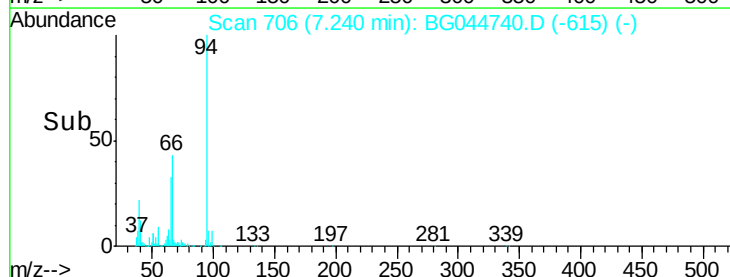
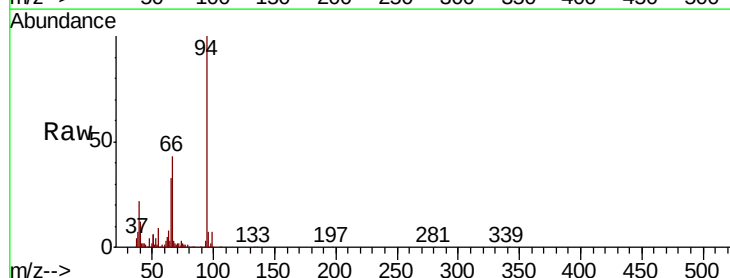
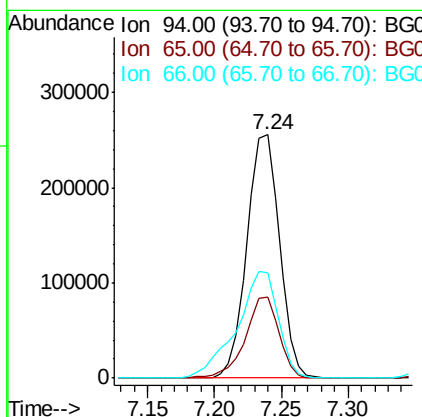
RT: 7.24 min Scan# 706

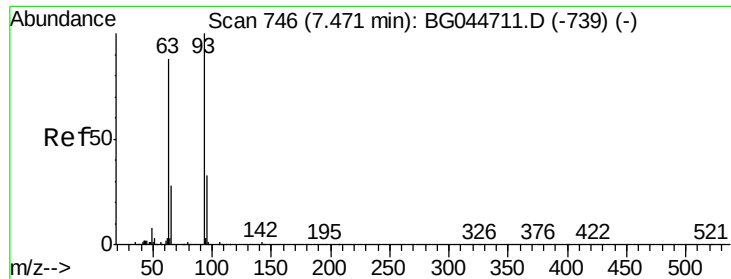
Delta R.T. 0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	94	Resp:	431753
Ion Ratio	Lower	Upper	
94	100		
65	33.3	11.3	51.3
66	43.4	22.9	62.9





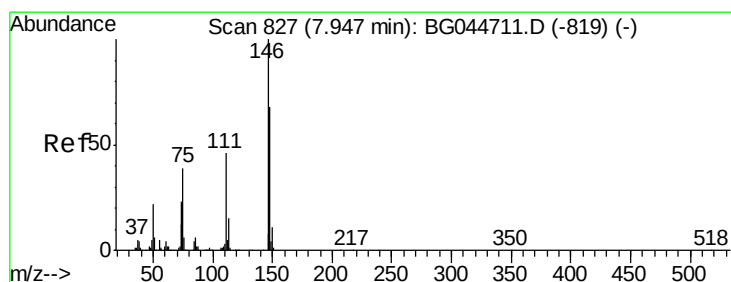
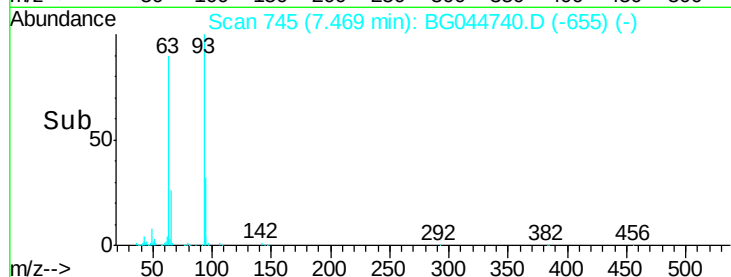
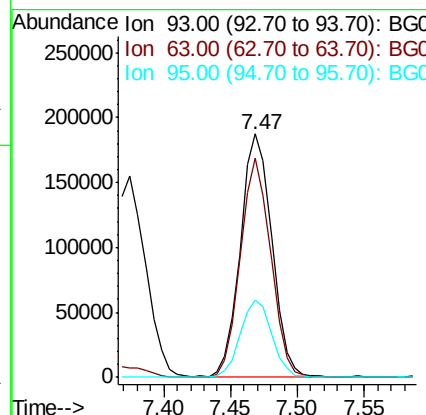
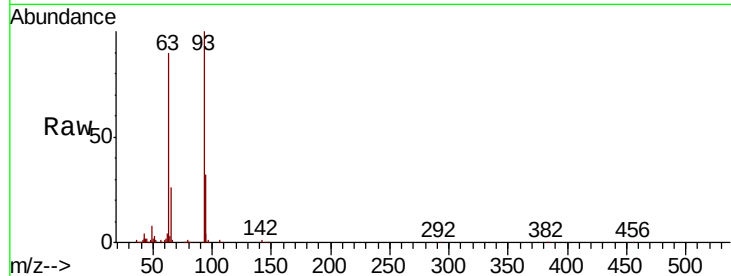
#11
bis(2-Chloroethyl)ether
Concen: 40.446 ng
RT: 7.47 min Scan# 745
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.8	68.1	108.1
95	31.7	12.4	52.4

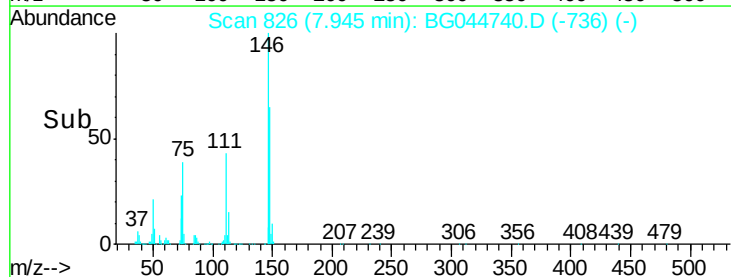
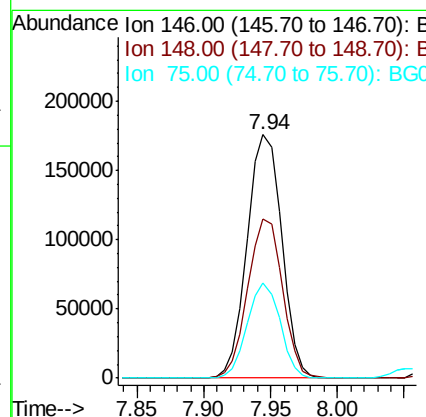
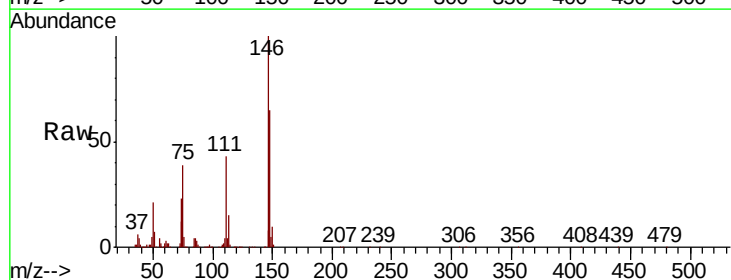
Manual Integrations
APPROVED

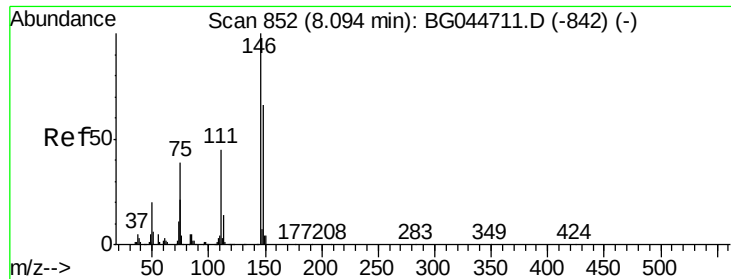
mohammad
3/16/2020 1:48:21 PM



#12
1,3-Dichlorobenzene
Concen: 39.047 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	54.2	81.2
75	38.8	31.3	46.9





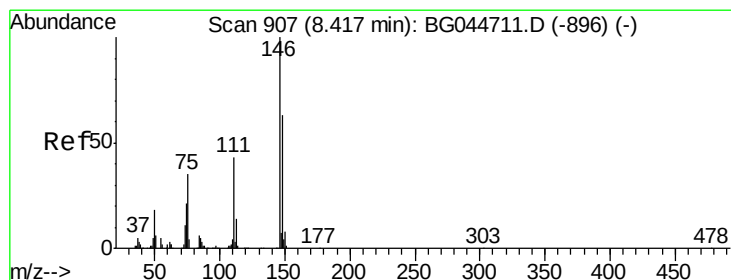
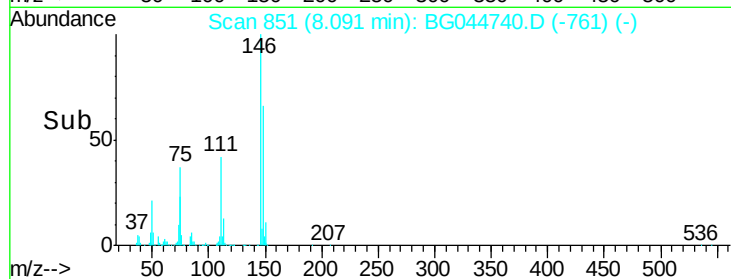
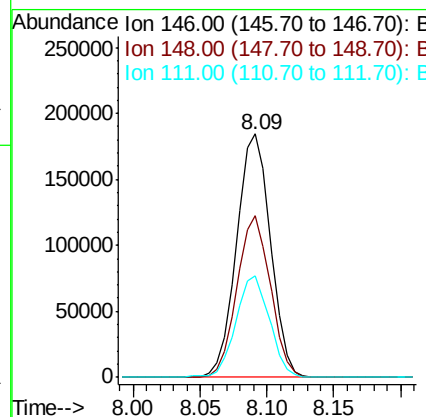
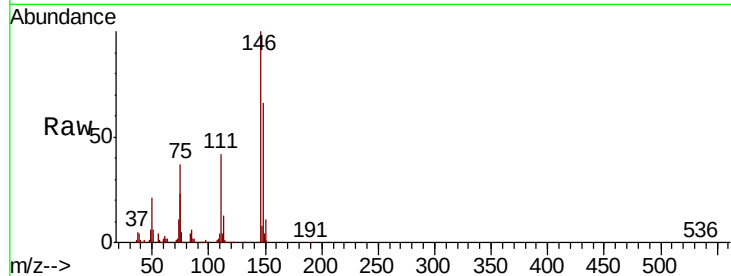
#13
 1,4-Dichlorobenzene
 Concen: 40.627 ng
 RT: 8.09 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	52.9	79.3
111	41.6	35.6	53.4

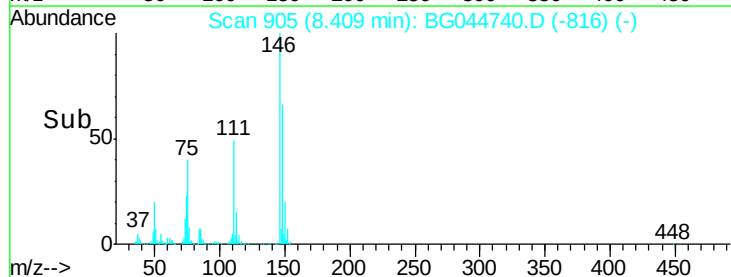
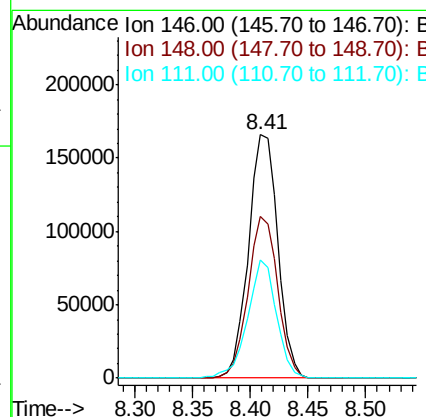
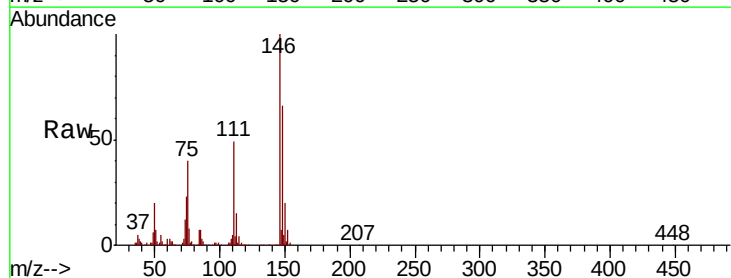
Manual Integrations
 APPROVED

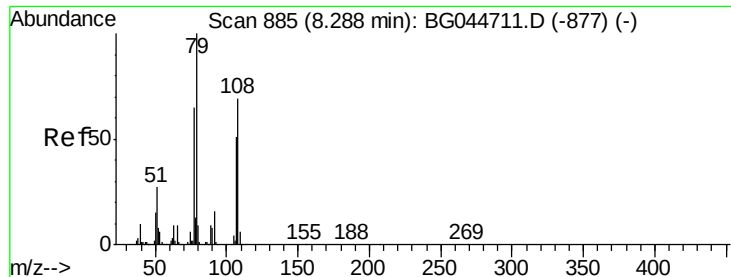
mohammad
 3/16/2020 1:48:21 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.827 ng
 RT: 8.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.5	50.8	76.2
111	48.7	34.8	52.2





#15

Benzyl Alcohol

Concen: 43.236 ng

RT: 8.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

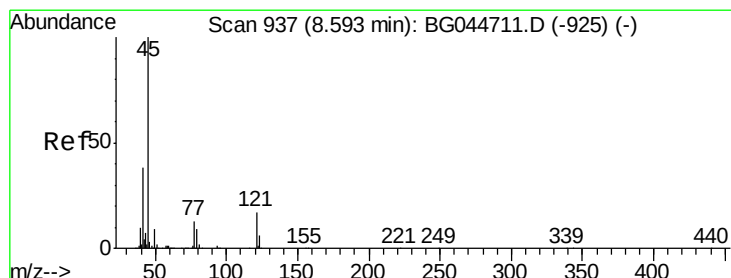
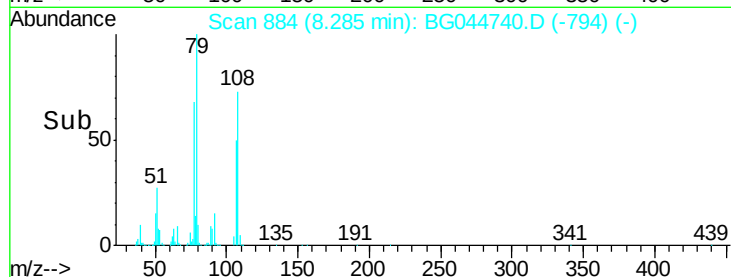
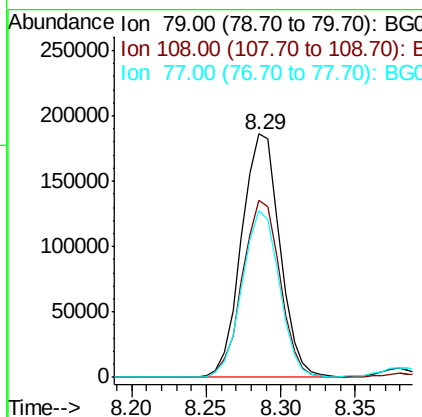
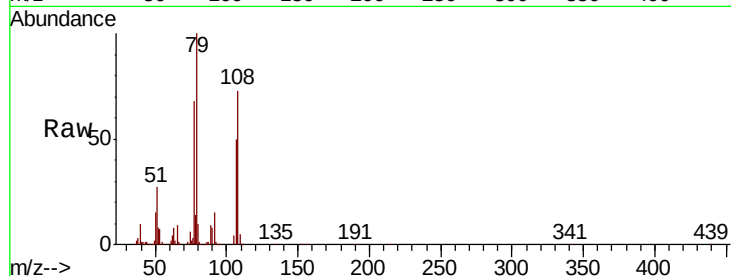
ClientSampled :

TP-4-SAMS

Tot Ion:	79	Resp:	331317
Ion	Ratio	Lower	Upper
79	100		
108	72.7	55.4	83.0
77	68.3	52.2	78.4

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.082 ng

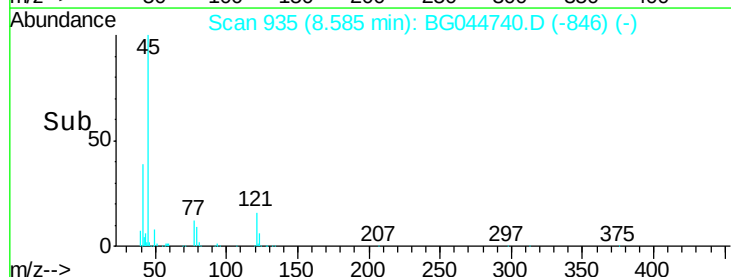
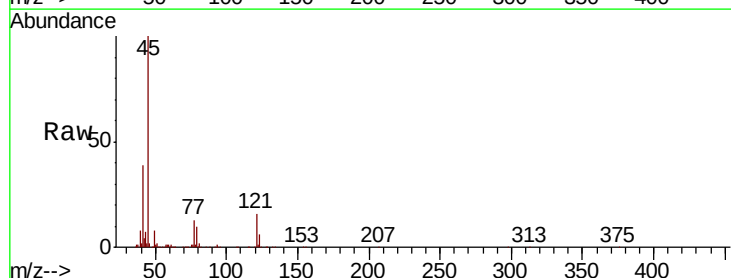
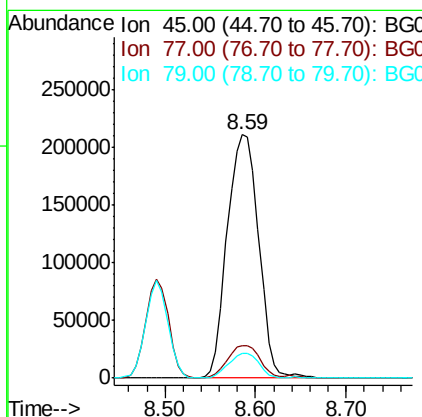
RT: 8.59 min Scan# 935

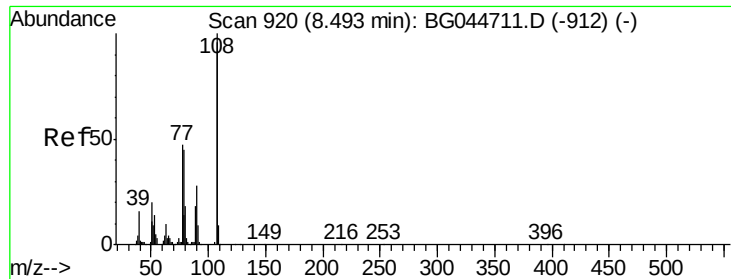
Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	45	Resp:	507141
Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.4
79	10.1	0.0	30.0





#17

2-Methylphenol

Concen: 44.327 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

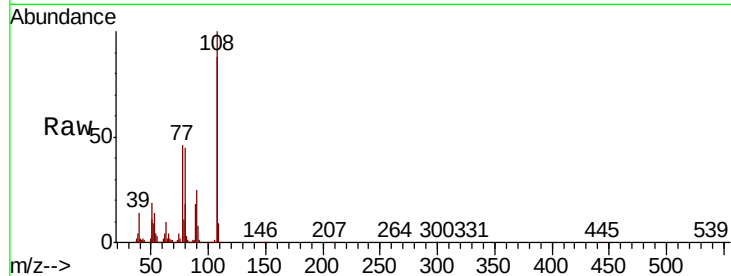
ClientSampleId :

TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.8	83.2	124.8	
77	52.2	39.0	58.6	
79	51.7	37.6	56.4	

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



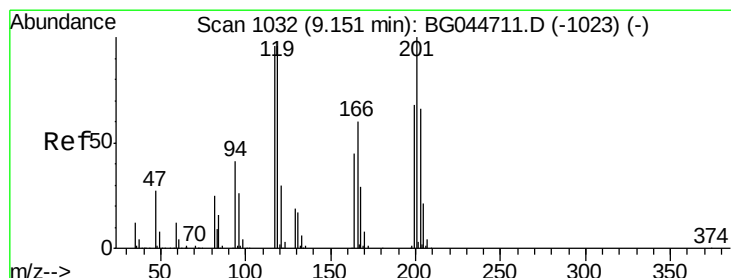
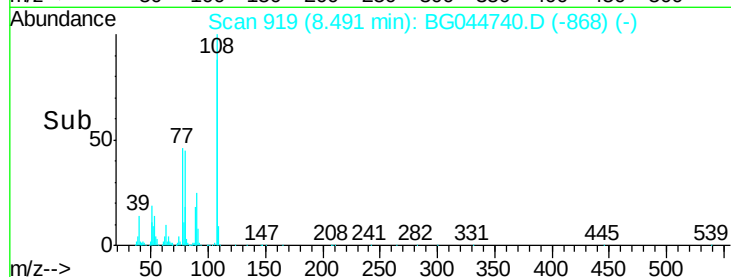
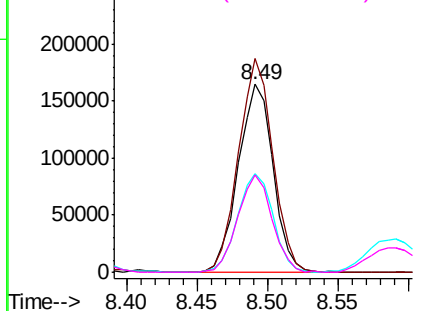
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 40.334 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

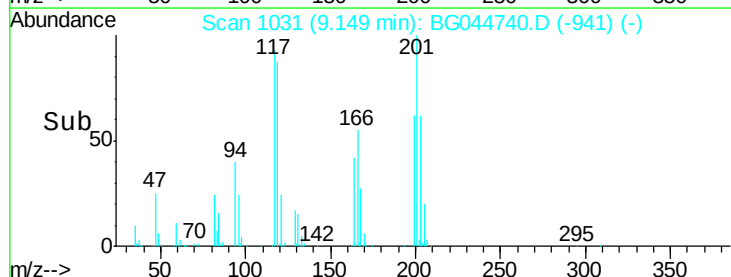
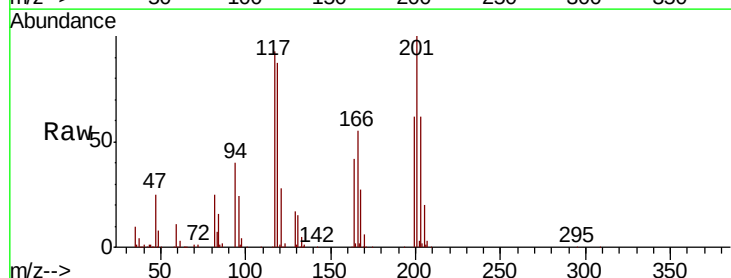
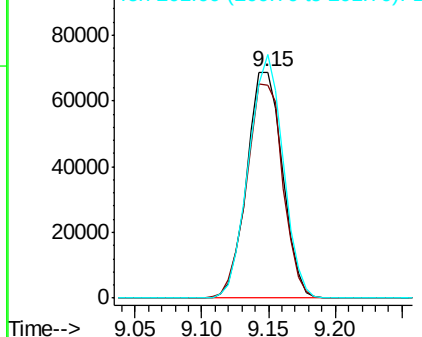
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	80.2	120.4	
201	107.7	83.4	125.2	

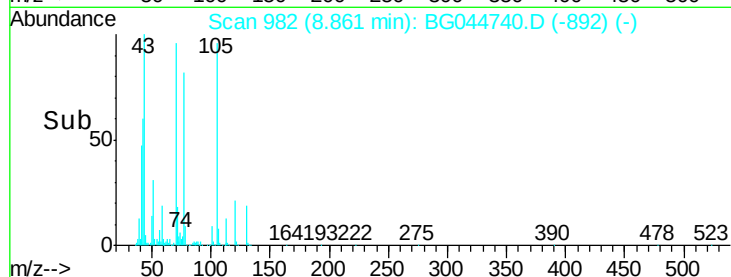
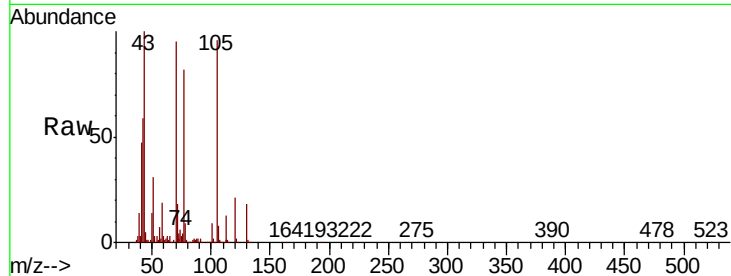
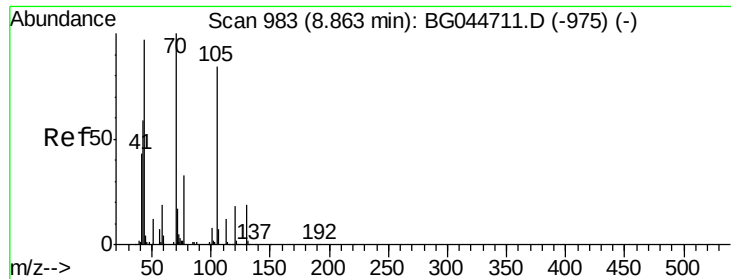
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





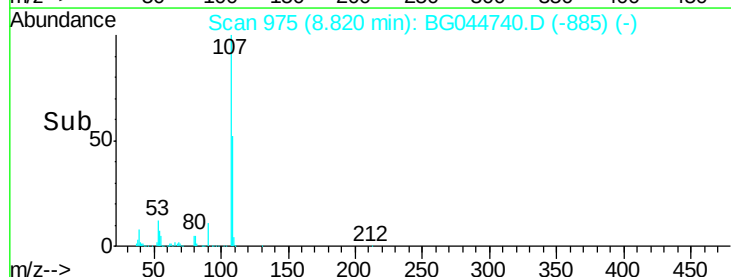
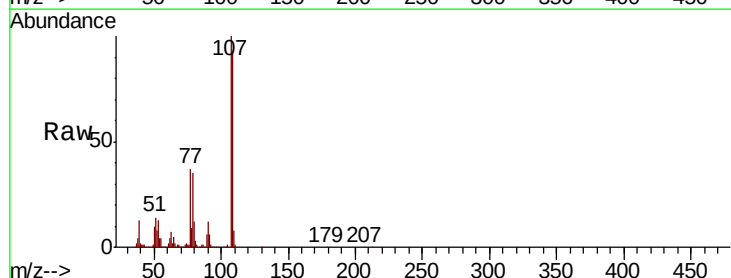
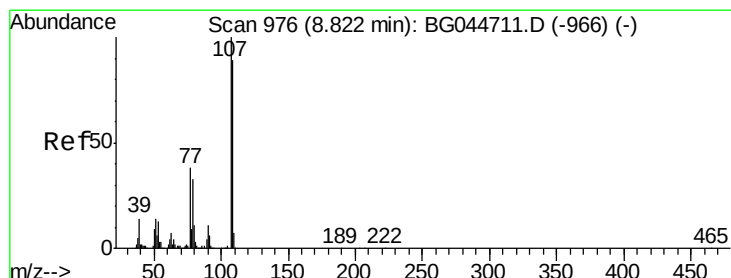
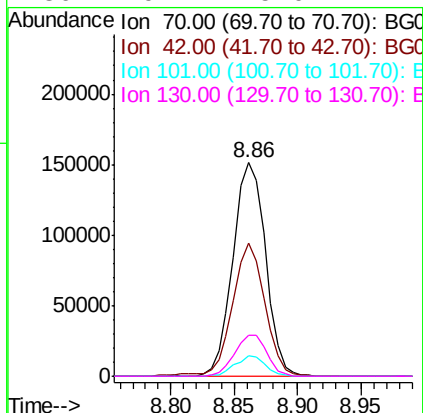
#19
n-Nitroso-di-n-propylamine
Concen: 40.060 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	62.4	47.6	71.4		
101	9.6	6.5	9.7		
130	19.4	15.0	22.4		

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

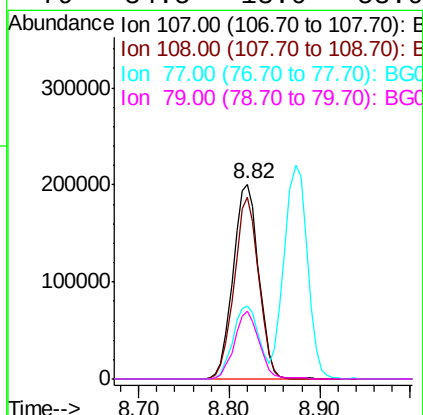
Manual Integrations
APPROVED

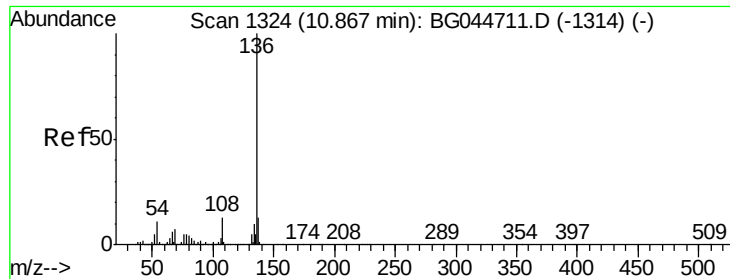
mohammad
3/16/2020 1:48:21 PM



#20
3+4-Methylphenols
Concen: 44.855 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	93.0	69.1	109.1		
77	37.1	17.7	57.7		
79	34.5	13.0	53.0		





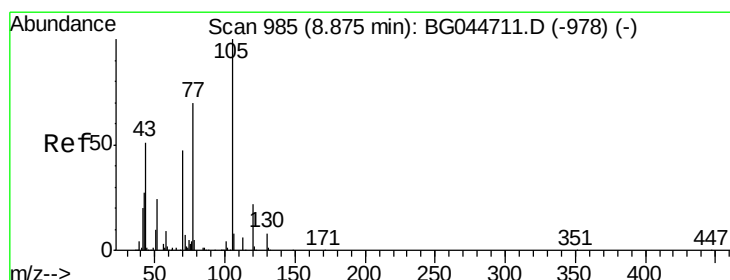
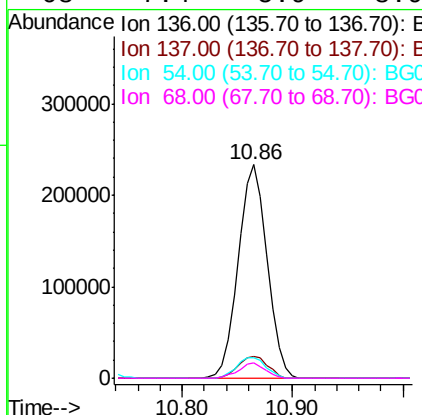
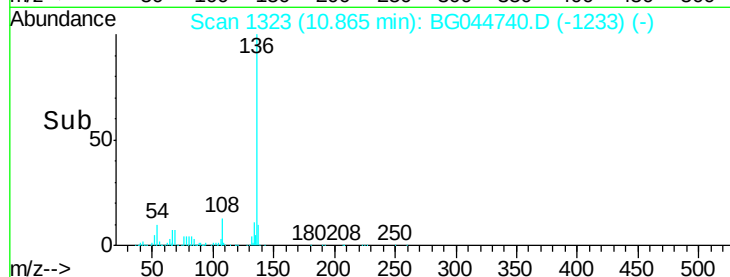
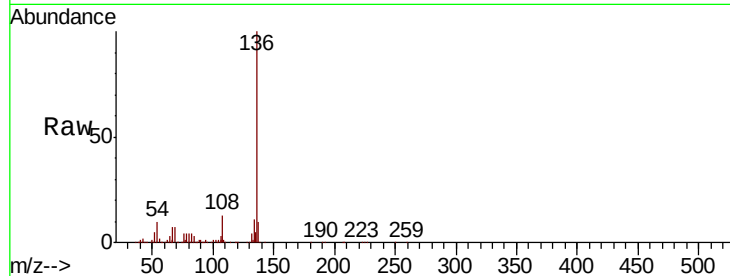
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	428431		
137	10.5	10.7	16.1#	
54	9.7	9.0	13.4	
68	7.4	5.9	8.9	

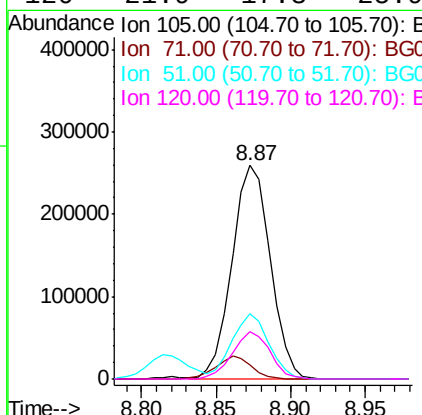
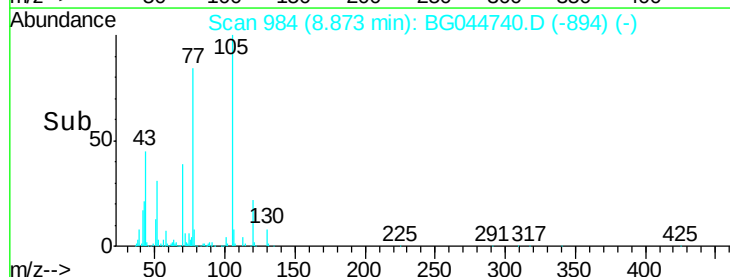
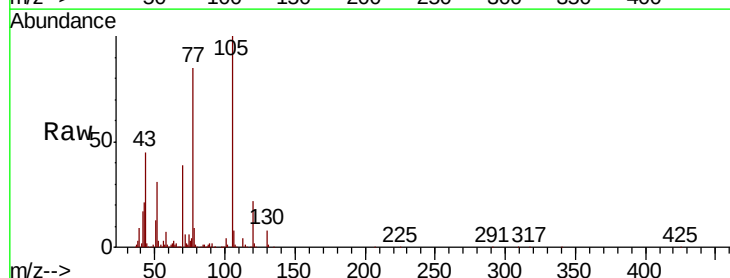
Manual Integrations
APPROVED

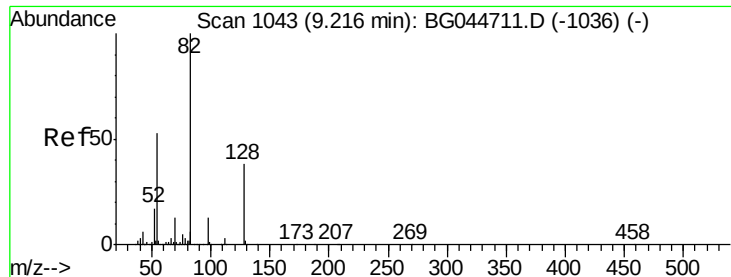
mohammad
3/16/2020 1:48:21 PM



#22
Acetophenone
Concen: 38.183 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	463442		
71	6.5	5.8	8.8	
51	30.7	23.8	35.8	
120	21.9	17.3	25.9	





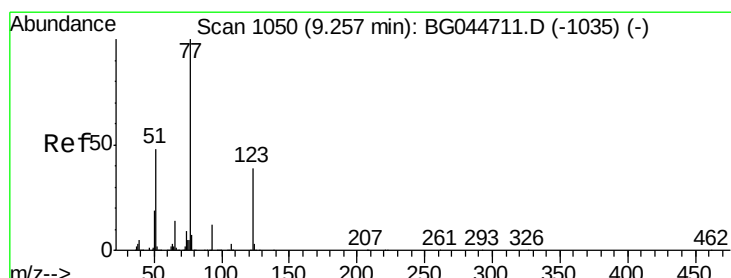
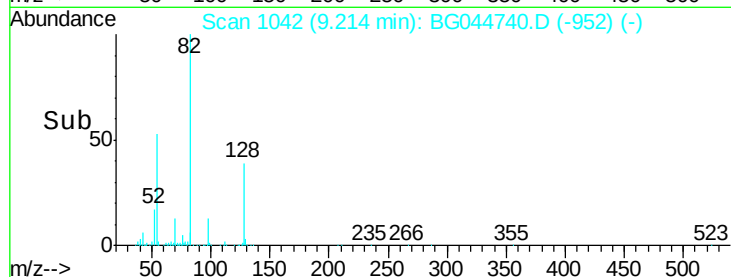
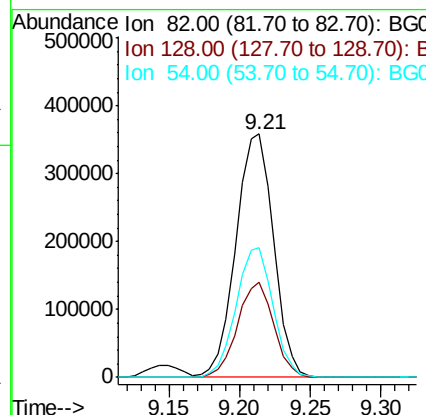
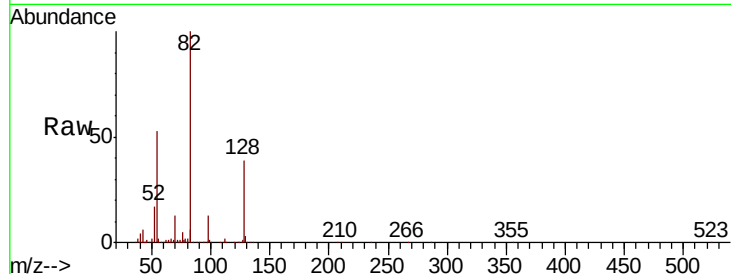
#23
 Nitrobenzene-d5
 Concen: 68.288 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.0	30.2	45.2
54	53.1	41.8	62.8

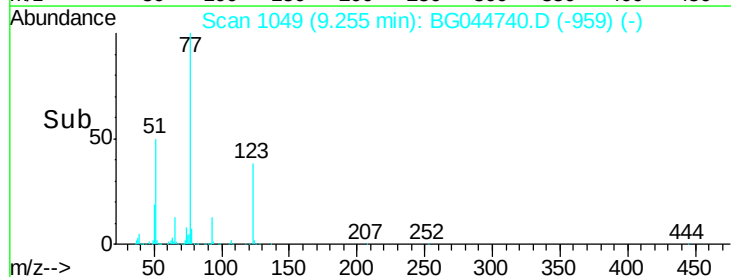
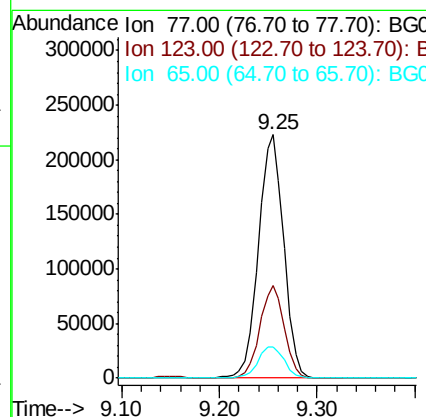
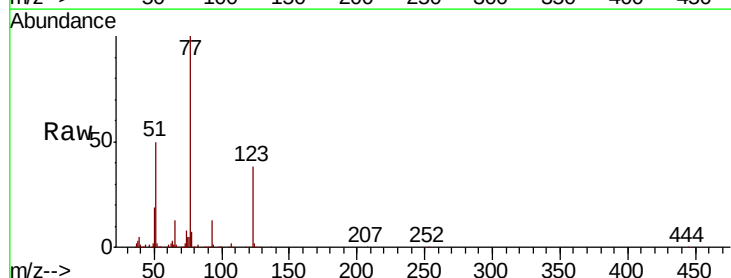
Manual Integrations
 APPROVED

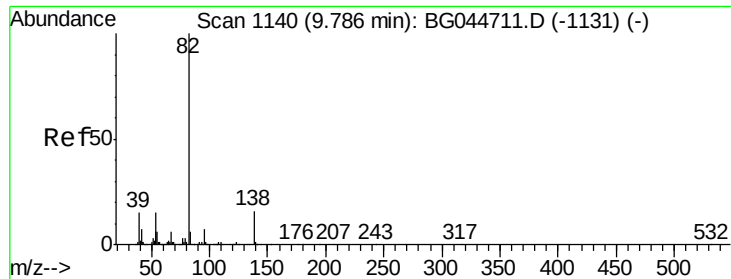
mohammad
 3/16/2020 1:48:21 PM



#24
 Nitrobenzene
 Concen: 40.053 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.3	31.5	47.3
65	12.9	11.0	16.4





#25

Isophorone

Concen: 38.882 ng

RT: 9.78 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

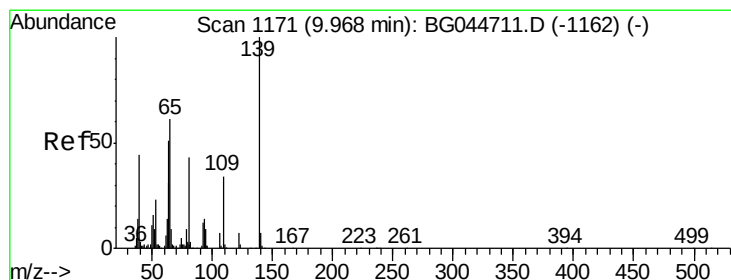
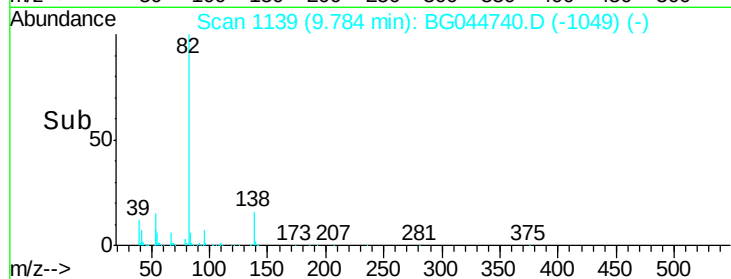
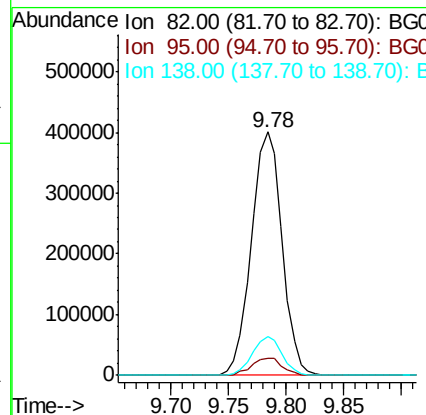
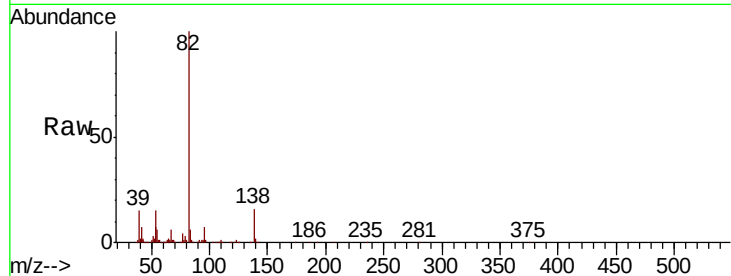
ClientSampleId :

TP-4-SAMS

Tot Ion:	82	Resp:	740910
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.6	8.4
138	15.8	13.0	19.4

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#26

2-Nitrophenol

Concen: 44.755 ng

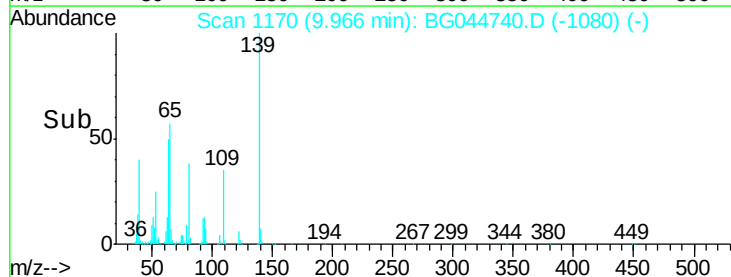
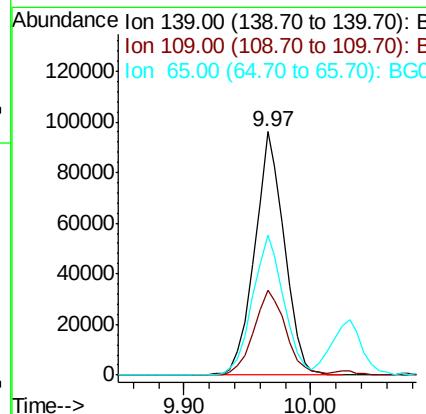
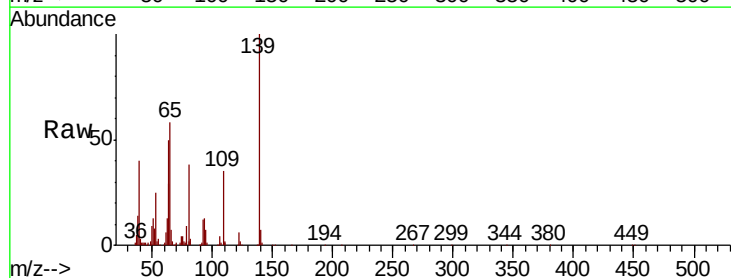
RT: 9.97 min Scan# 1170

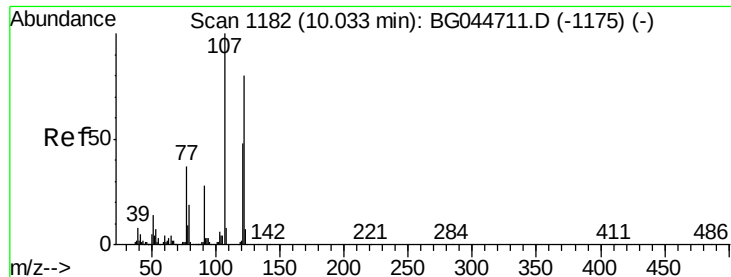
Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	139	Resp:	155924
Ion Ratio	Lower	Upper	
139	100		
109	35.1	27.0	40.4
65	57.5	48.6	73.0





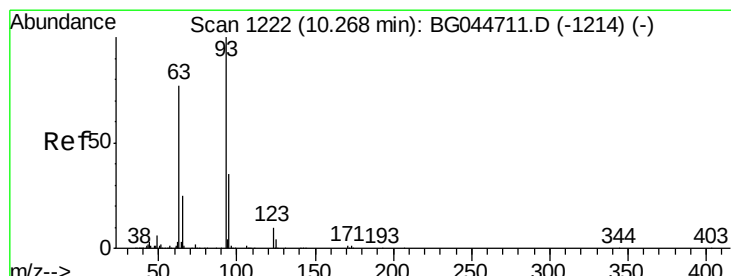
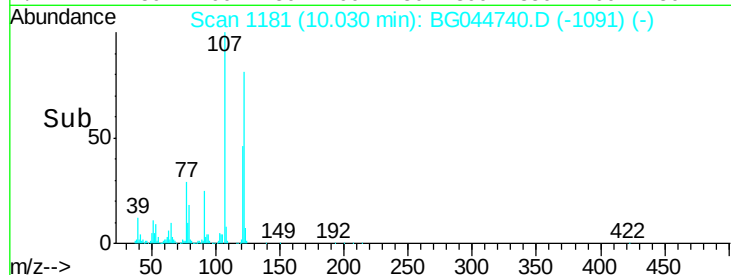
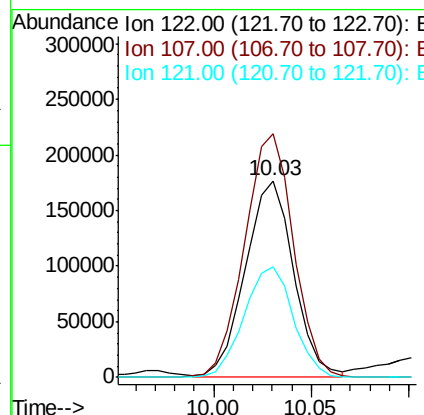
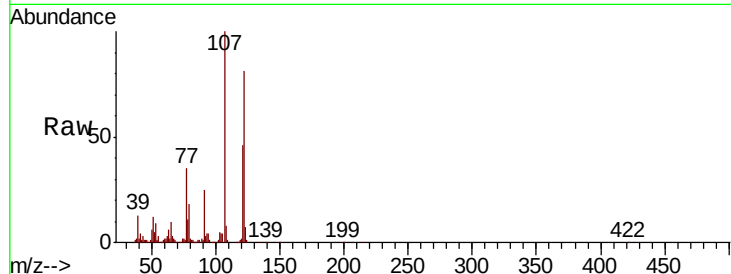
#27
2,4-Dimethylphenol
Concen: 48.549 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampled :
TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	301268		
107	123.7	99.0	148.6	
121	56.3	47.6	71.4	

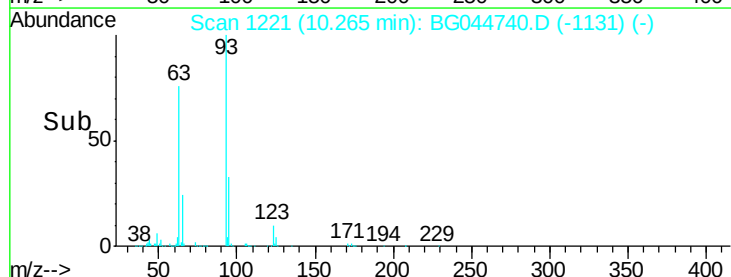
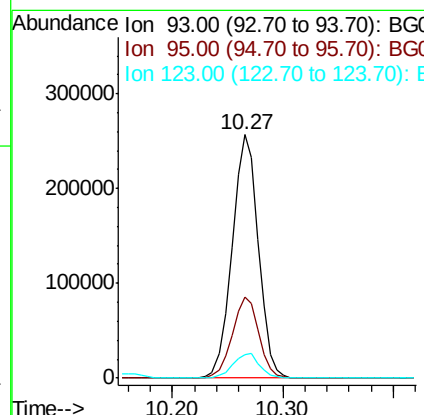
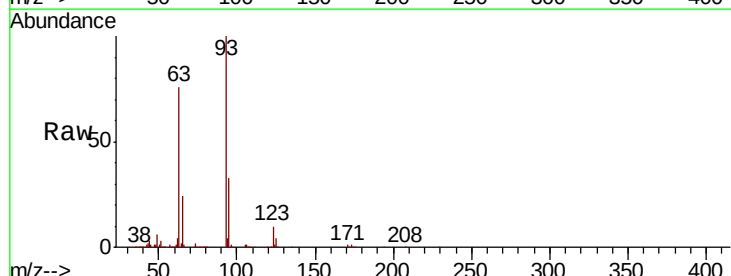
Manual Integrations
APPROVED

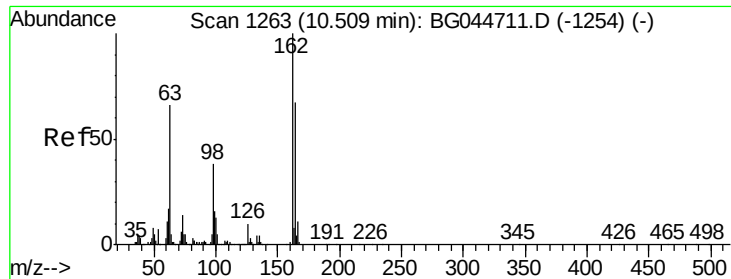
mohammad
3/16/2020 1:48:21 PM



#28
bis(2-Chloroethoxy)methane
Concen: 37.435 ng
RT: 10.27 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	425707		
95	33.2	27.7	41.5	
123	9.5	8.1	12.1	





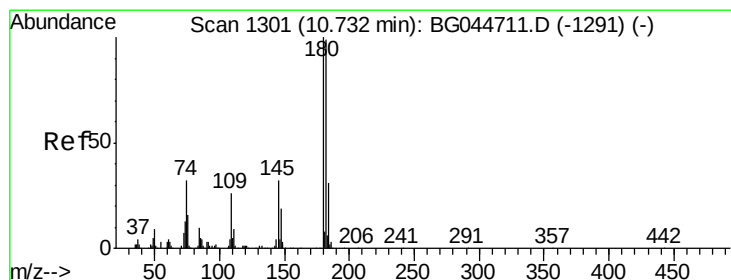
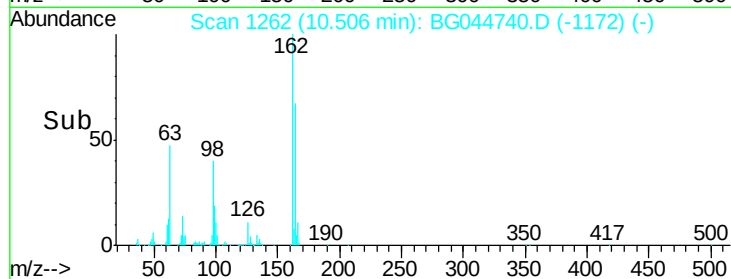
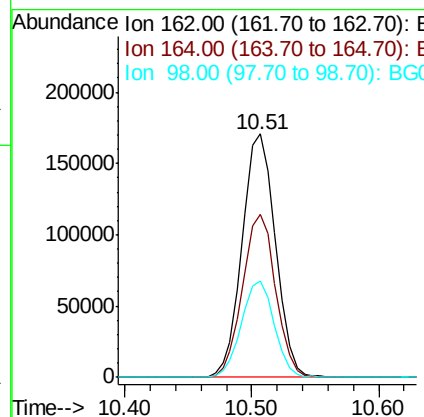
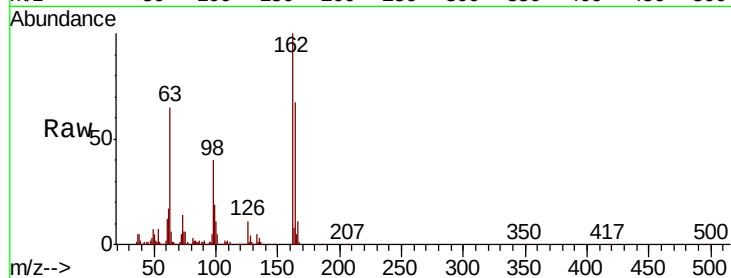
#29
 2,4-Dichlorophenol
 Concen: 42.963 ng
 RT: 10.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Tot Ion:	162	Resp:	311397
Ion Ratio	Lower	Upper	
162	100		
164	66.7	46.5	86.5
98	39.8	18.1	58.1

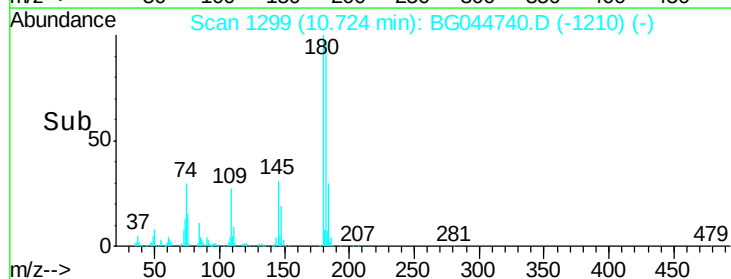
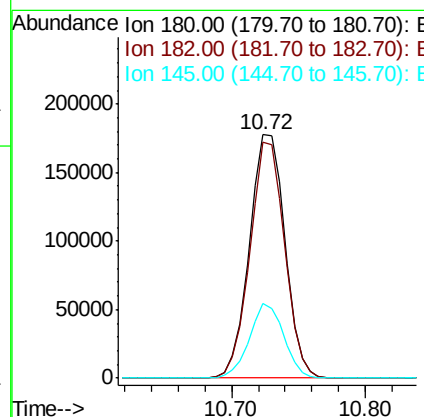
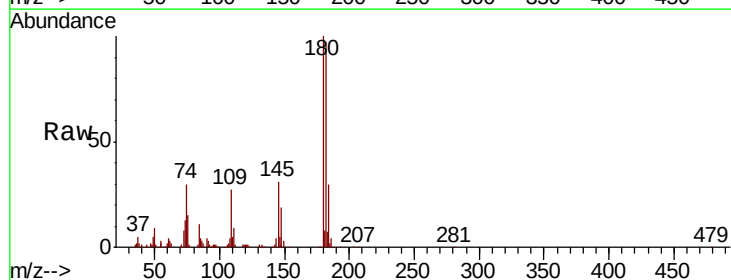
Manual Integrations
 APPROVED

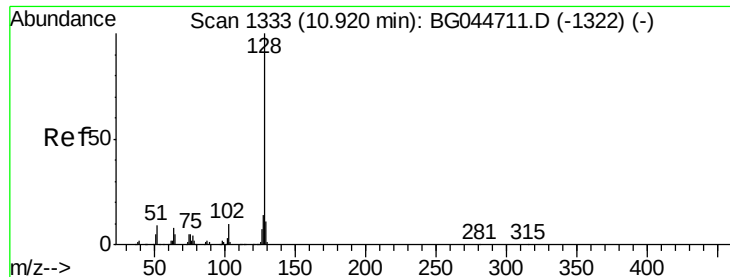
mohammad
 3/16/2020 1:48:21 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 37.546 ng
 RT: 10.72 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Tgt Ion:	180	Resp:	325397
Ion Ratio	Lower	Upper	
180	100		
182	96.7	78.8	118.2
145	30.9	25.4	38.0





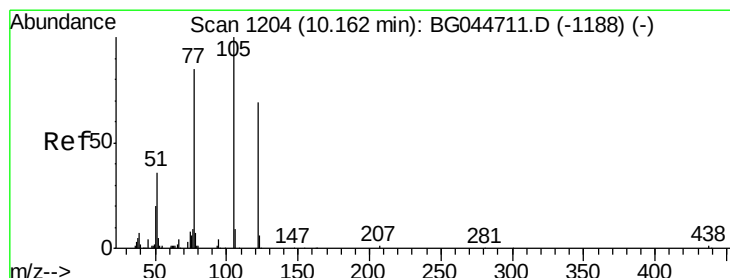
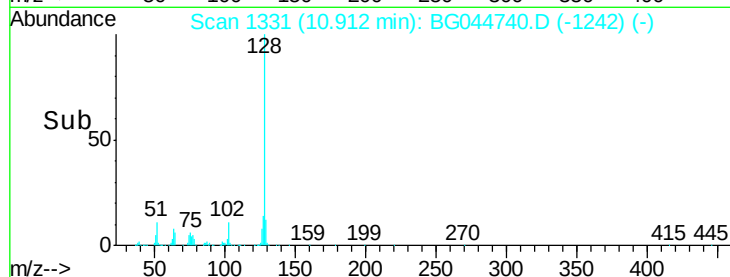
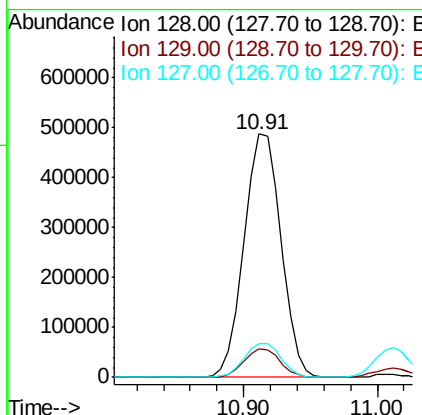
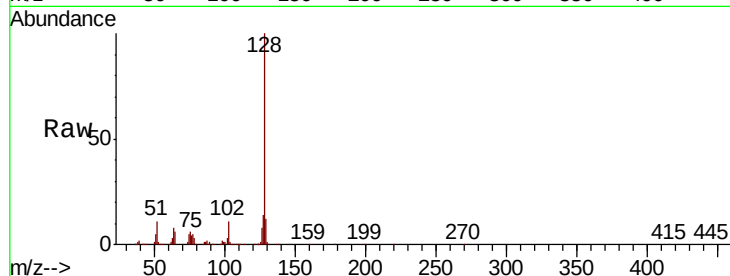
#31
Naphthalene
Concen: 39.231 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.4
127	13.7	11.0	16.6

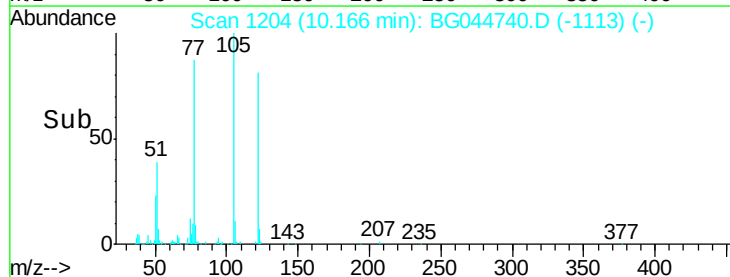
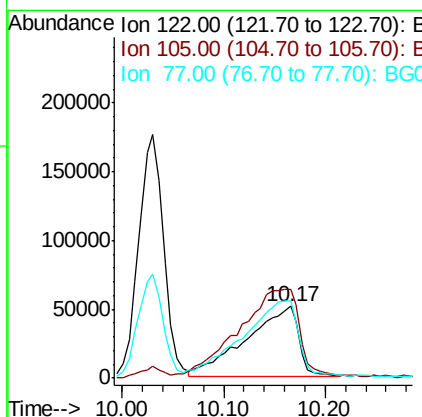
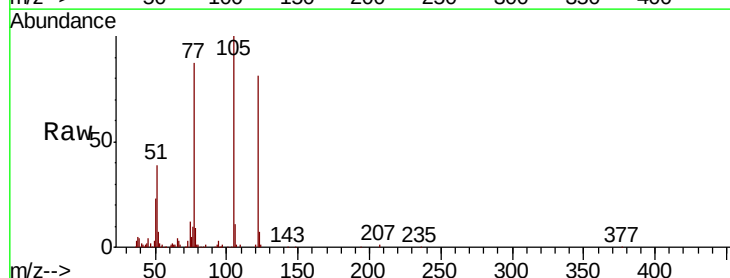
Manual Integrations
APPROVED

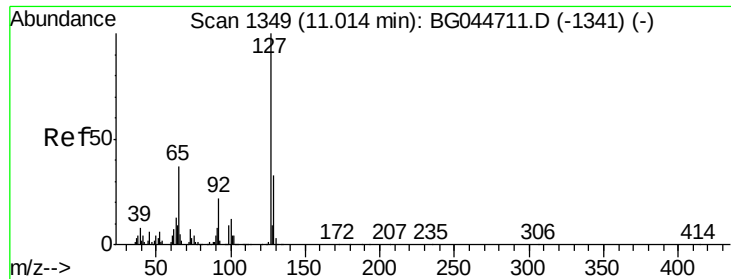
mohammad
3/16/2020 1:48:21 PM



#32
Benzoic acid
Concen: 39.914 ng
RT: 10.17 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.8	119.0	159.0
77	107.8	96.4	136.4





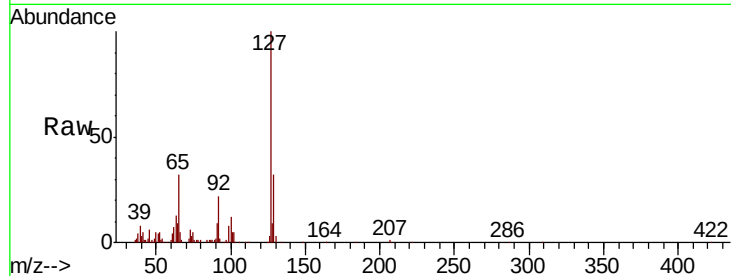
#33
4-Chloroaniline
Concen: 10.208 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampled :
TP-4-SAMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		109147		
129	32.3	26.2	39.4		
65	32.2	29.6	44.4		
92	22.4	17.4	26.0		

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



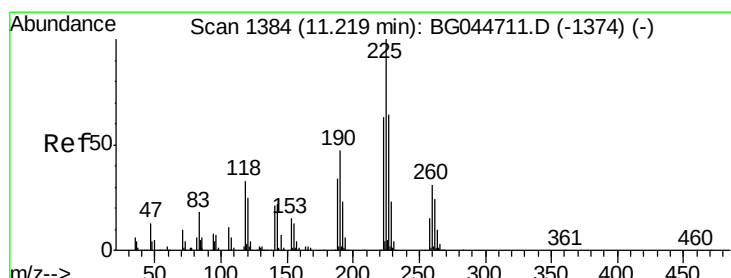
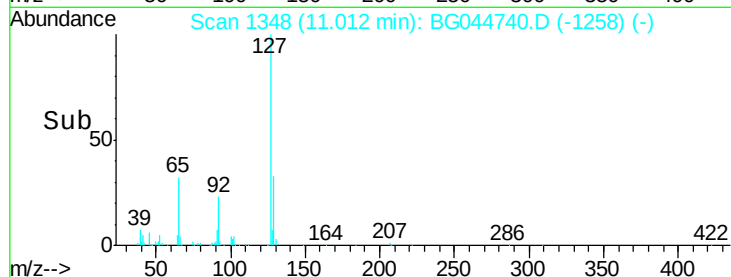
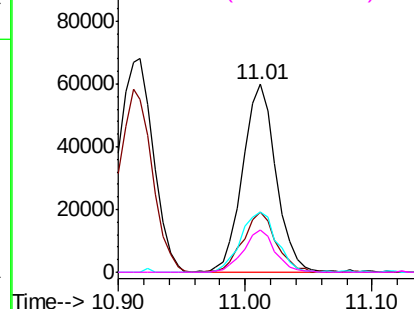
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

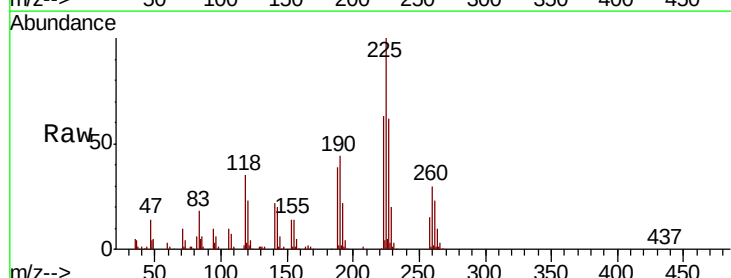
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 37.532 ng
RT: 11.21 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		213905		
223	63.4	50.6	76.0		
227	62.0	51.6	77.4		

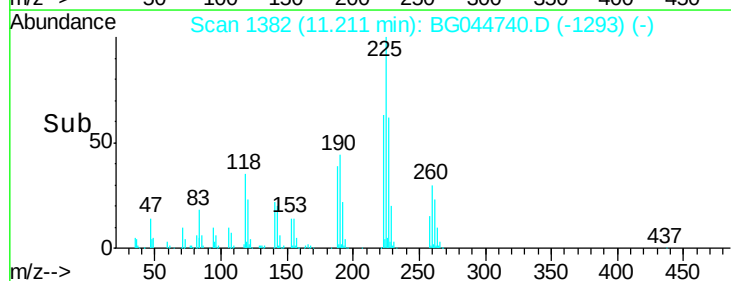
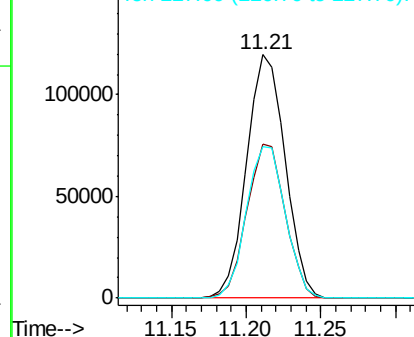


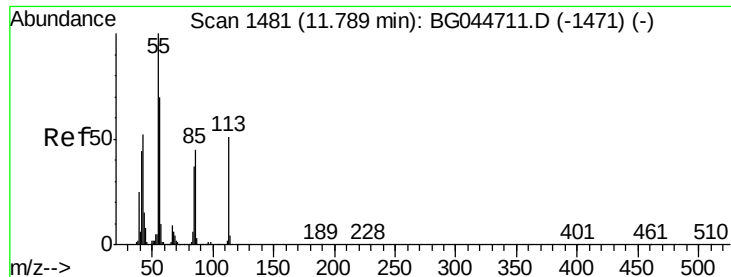
Abundance

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





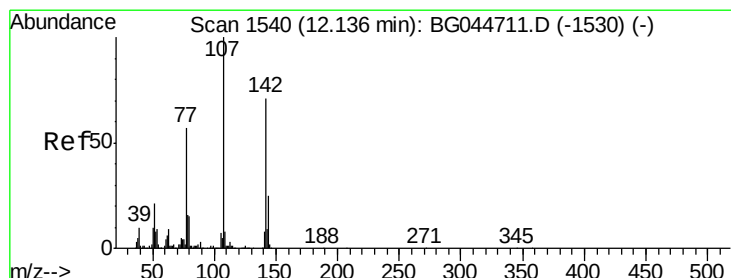
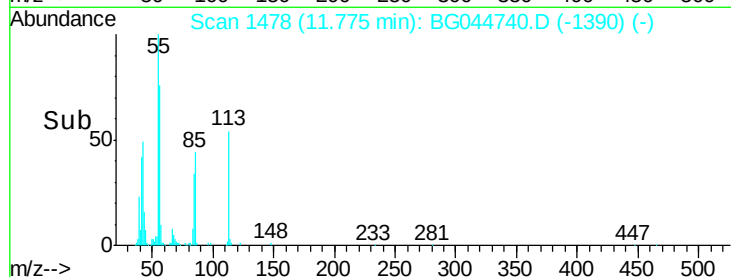
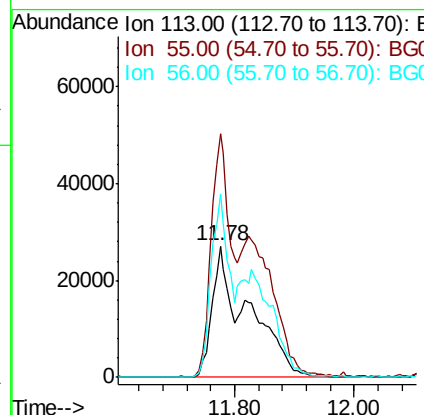
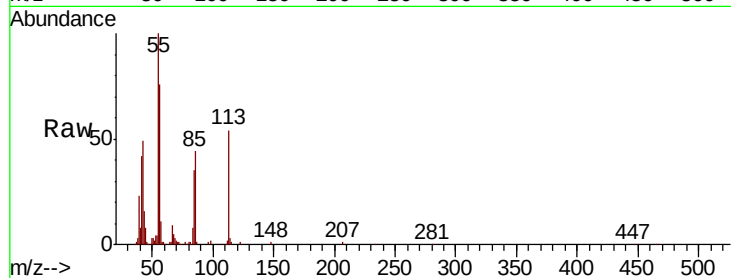
#35
Caprolactam
Concen: 41.516 ng/ml
RT: 11.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	185.3	178.4	218.4
56	139.9	117.7	157.7

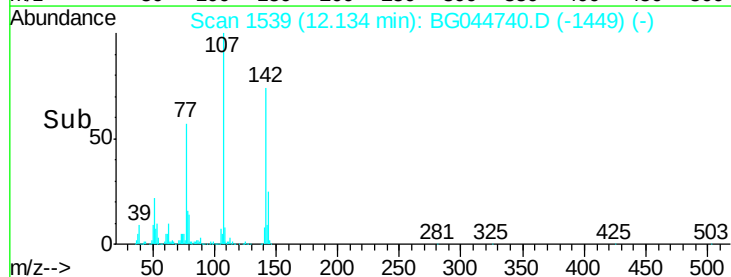
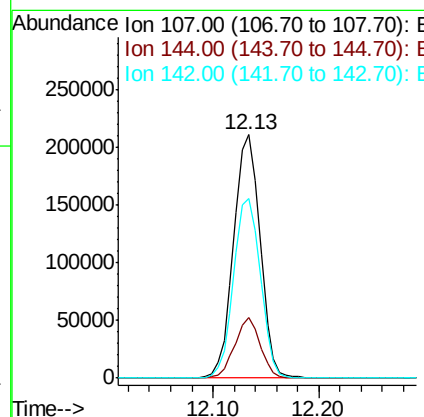
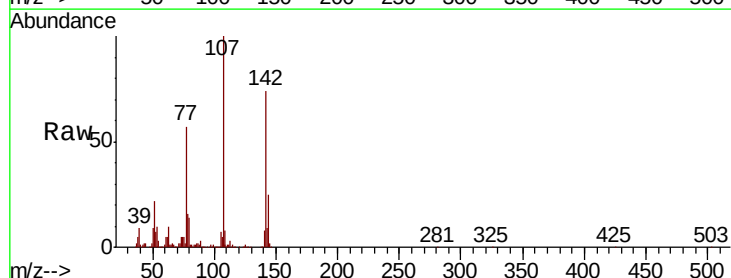
Manual Integrations
APPROVED

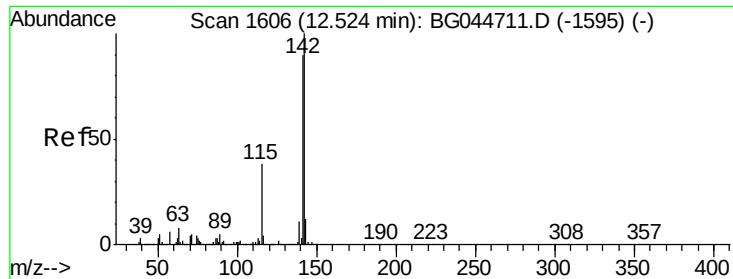
mohammad
3/16/2020 1:48:21 PM



#36
4-Chloro-3-methylphenol
Concen: 42.224 ng/ml
RT: 12.13 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.6	29.4
142	73.9	56.5	84.7





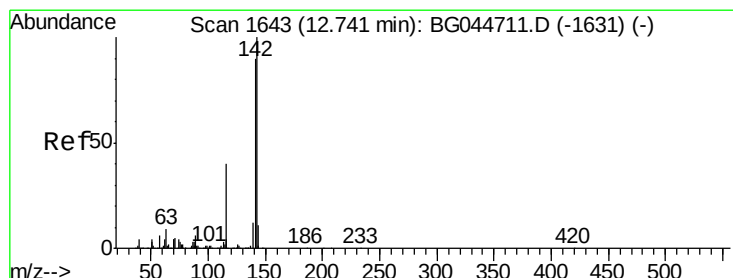
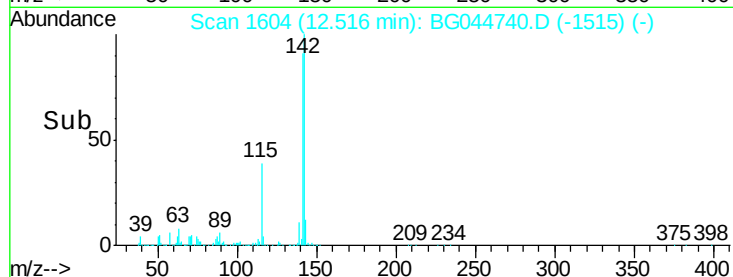
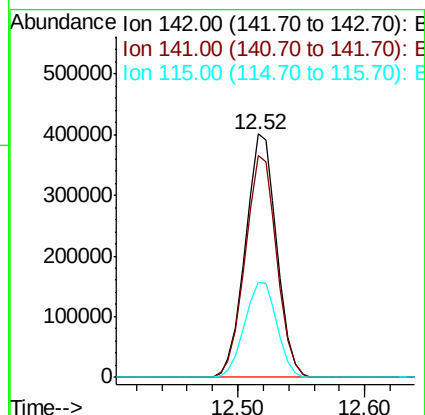
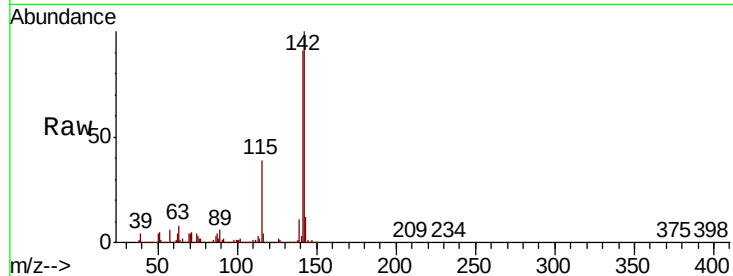
#37
2-Methylnaphthalene
Concen: 38.595 ng
RT: 12.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.3	108.5
115	39.0	30.6	45.8

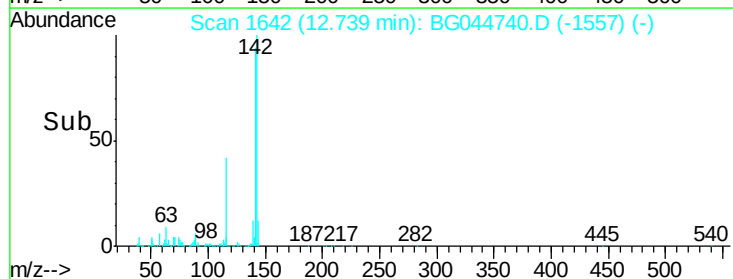
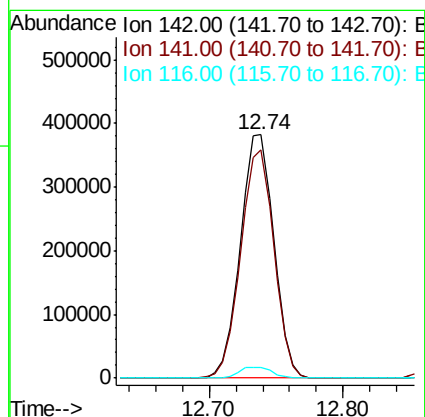
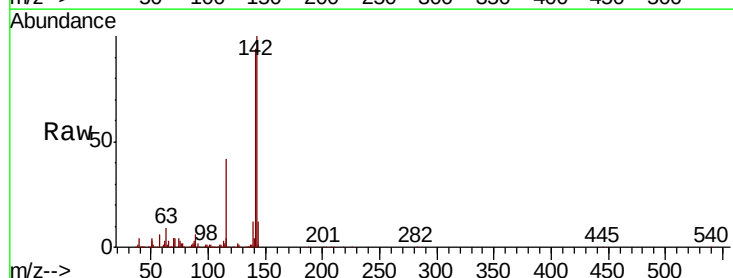
Manual Integrations
APPROVED

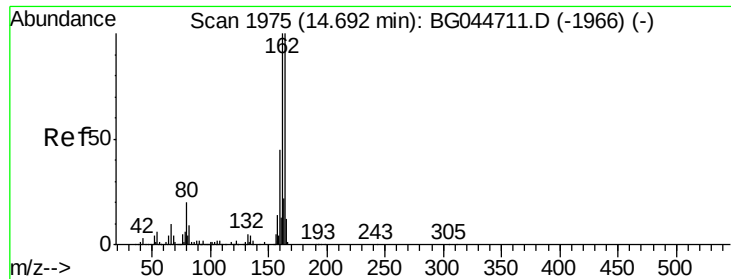
mohammad
3/16/2020 1:48:21 PM



#38
1-Methylnaphthalene
Concen: 39.611 ng
RT: 12.74 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	72.2	108.2
116	4.1	3.5	5.3





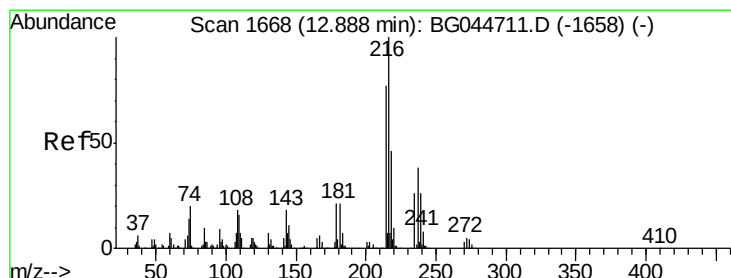
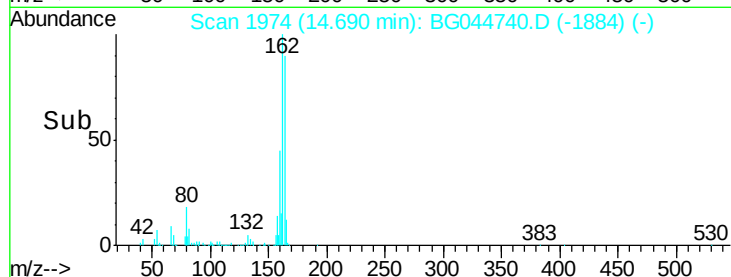
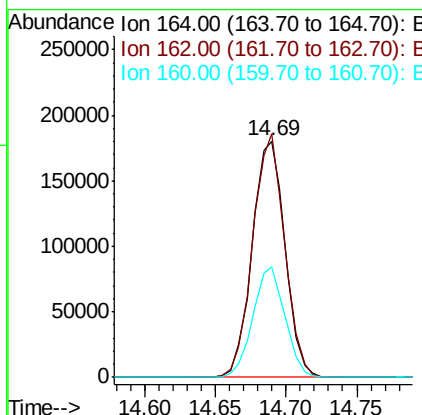
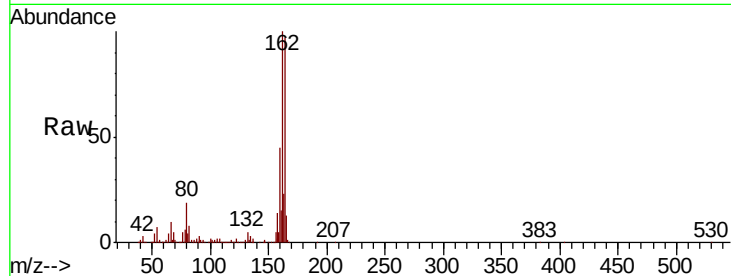
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.2	120.4
160	46.5	36.2	54.2

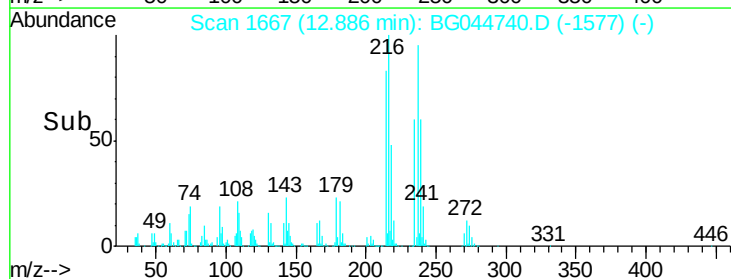
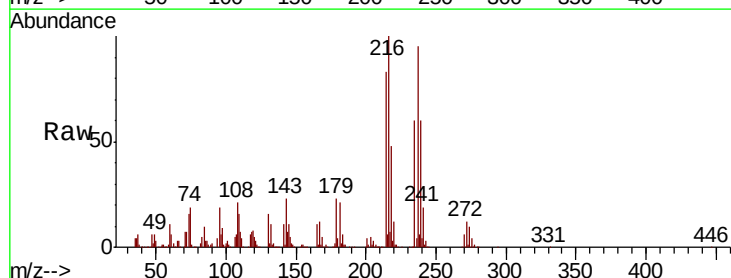
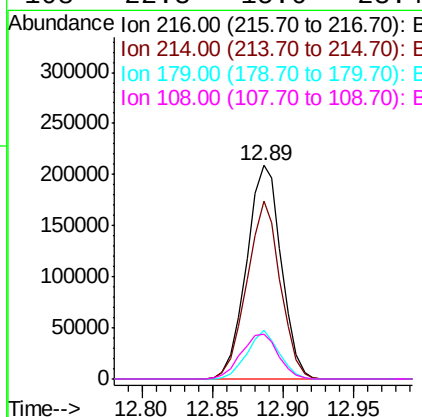
Manual Integrations
 APPROVED

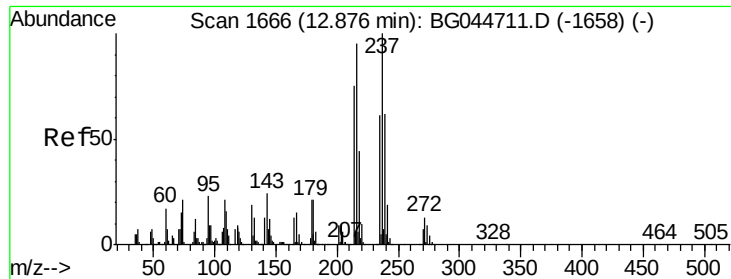
mohammad
 3/16/2020 1:48:21 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.270 ng
 RT: 12.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.4
179	20.9	16.6	24.8
108	22.3	15.6	23.4





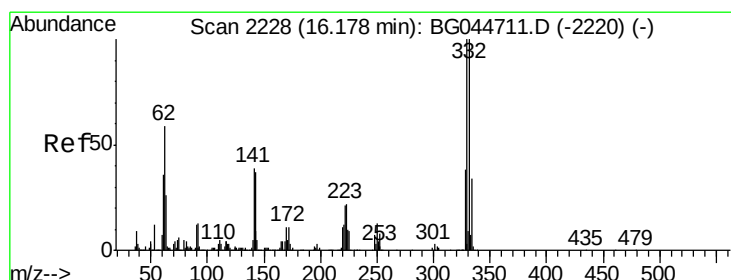
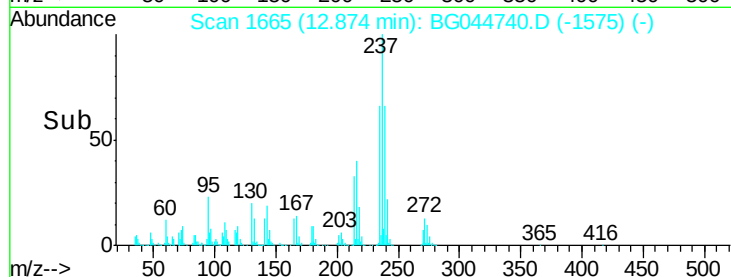
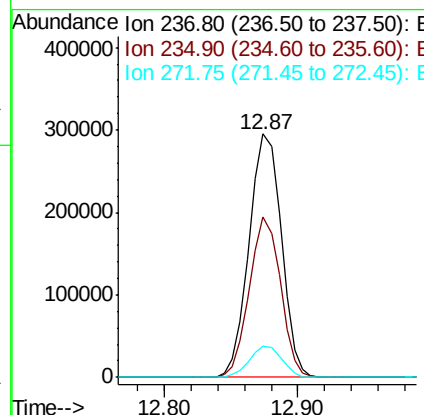
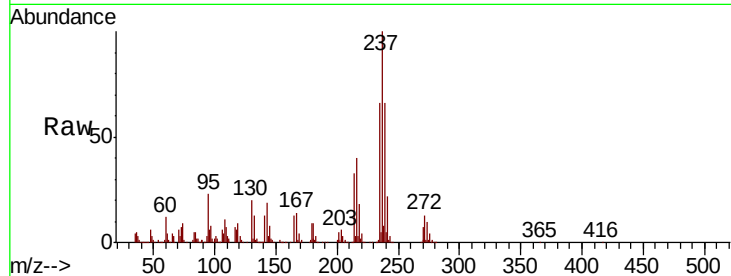
#41
Hexachlorocyclopentadiene
Concen: 93.317 ng
RT: 12.87 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	66.0	40.6	80.6
272	12.9	0.0	32.5

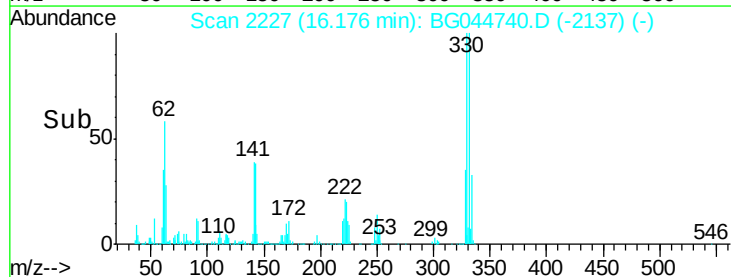
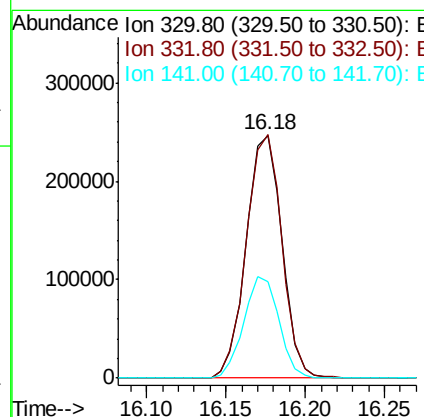
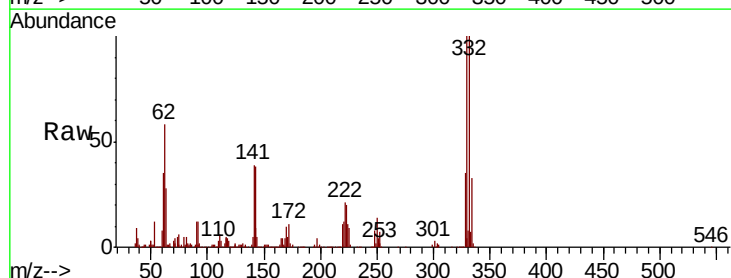
Manual Integrations
APPROVED

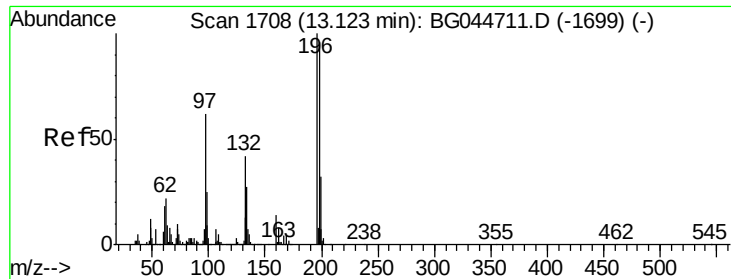
mohammad
3/16/2020 1:48:21 PM



#42
2,4,6-Tribromophenol
Concen: 100.599 ng
RT: 16.18 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	100.1	77.5	116.3
141	41.2	31.7	47.5





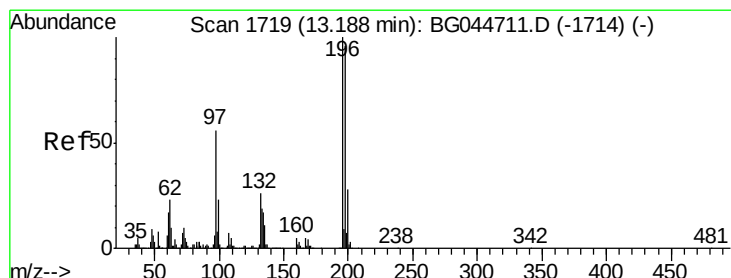
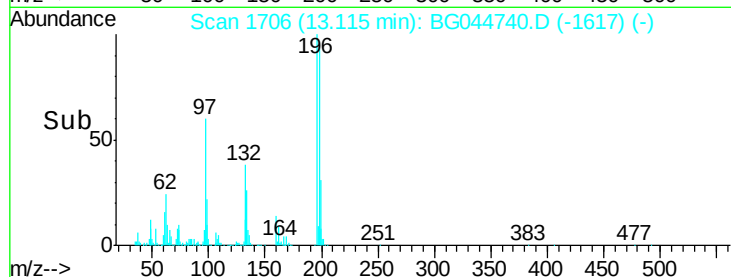
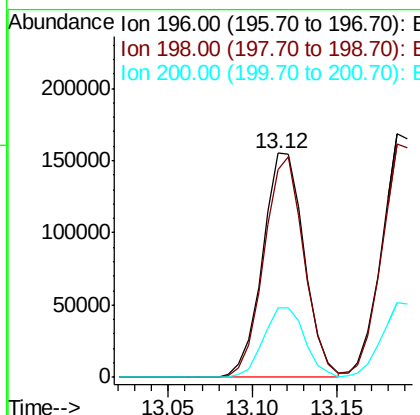
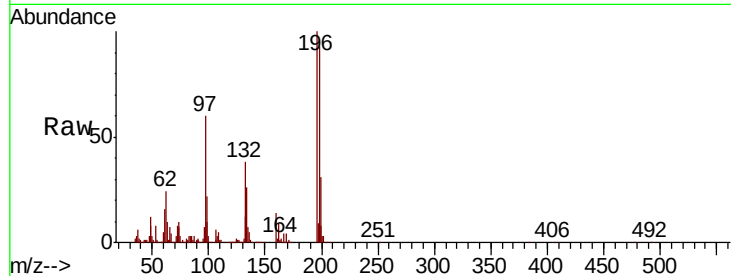
#43
2,4,6-Trichlorophenol
Concen: 41.274 ng
RT: 13.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	265068		
198	93.0	76.5	114.7	
200	31.1	25.9	38.9	

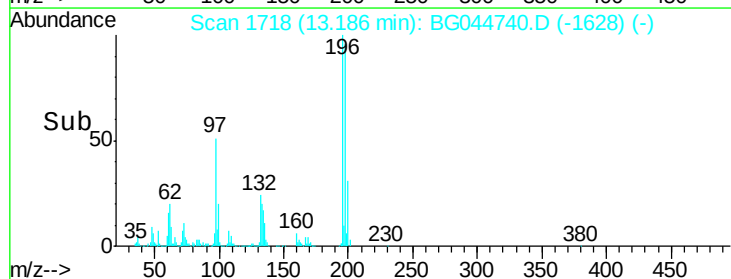
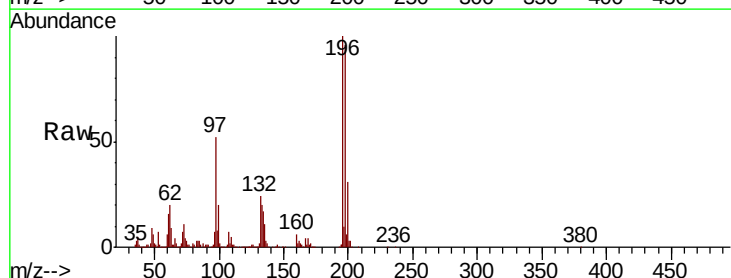
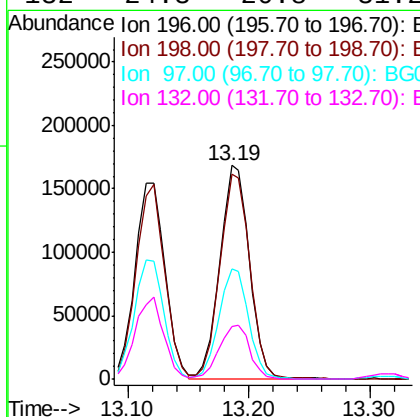
Manual Integrations
APPROVED

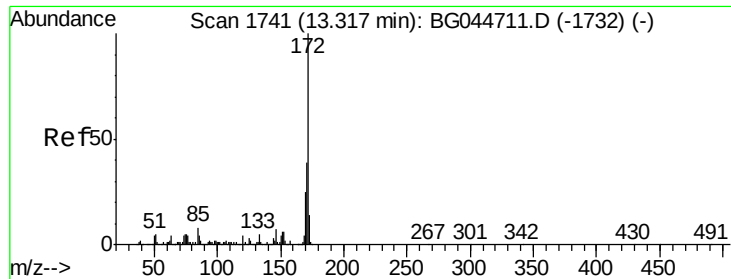
mohammad
3/16/2020 1:48:21 PM



#44
2,4,5-Trichlorophenol
Concen: 42.863 ng
RT: 13.19 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	285478		
198	95.9	77.3	115.9	
97	51.6	44.9	67.3	
132	24.3	20.8	31.2	





#45

2-Fluorobiphenyl

Concen: 66.149 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:172 Resp: 1357321

Ion Ratio Lower Upper

172 100

171 38.1 30.8 46.2

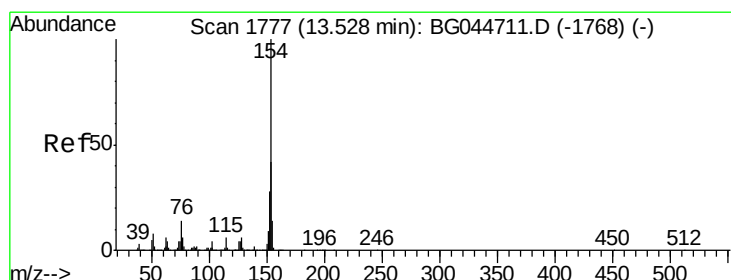
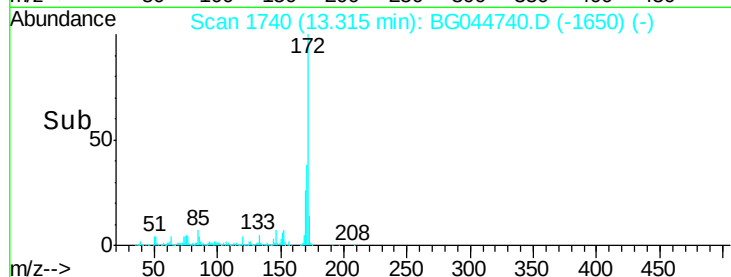
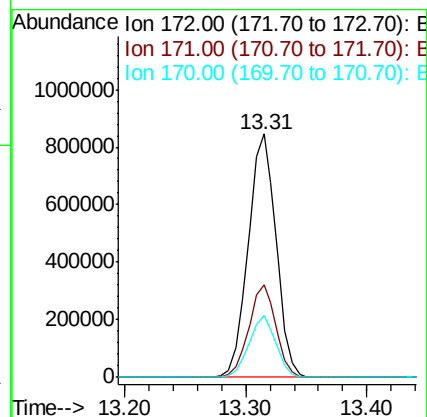
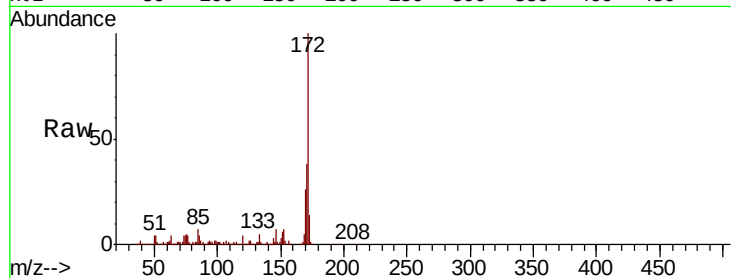
170 25.6 20.0 30.0

Manual Integrations

APPROVED

mohammad

3/16/2020 1:48:21 PM



#46

1,1'-Biphenyl

Concen: 37.464 ng

RT: 13.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

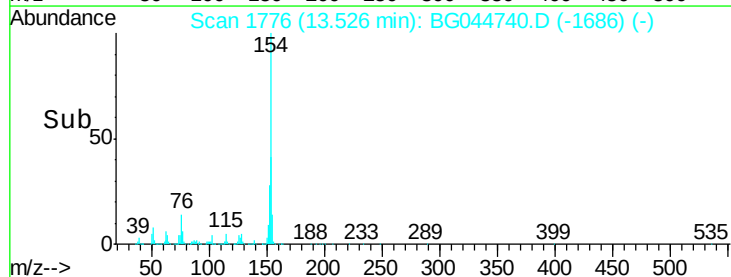
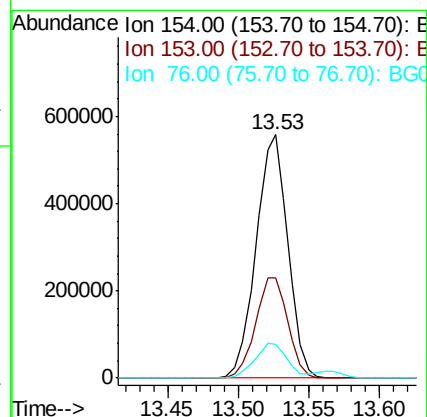
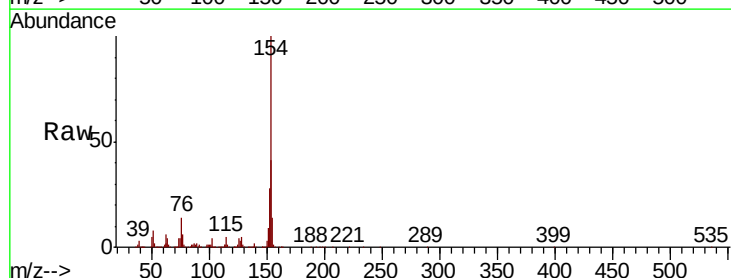
Tgt Ion:154 Resp: 879720

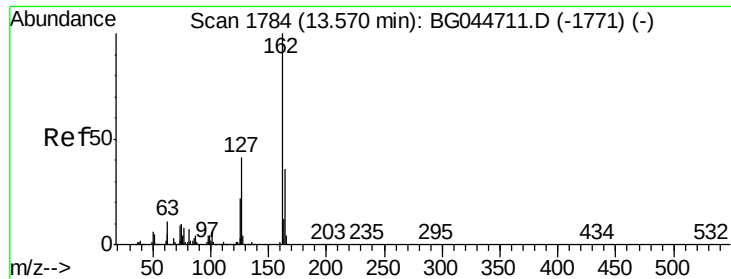
Ion Ratio Lower Upper

154 100

153 41.2 22.0 62.0

76 14.0 0.0 34.2





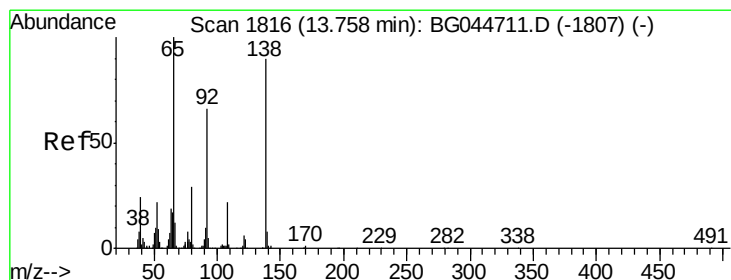
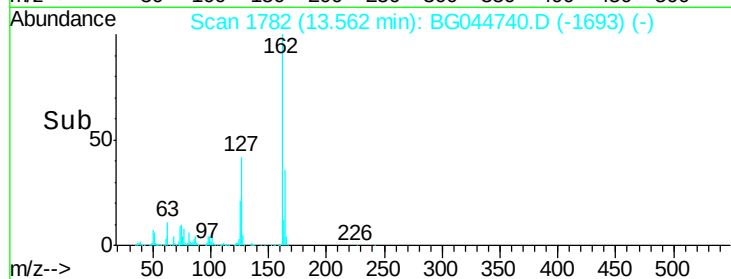
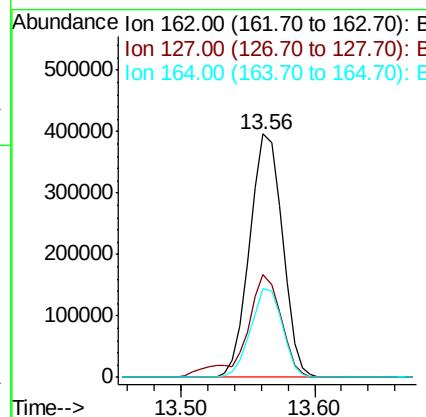
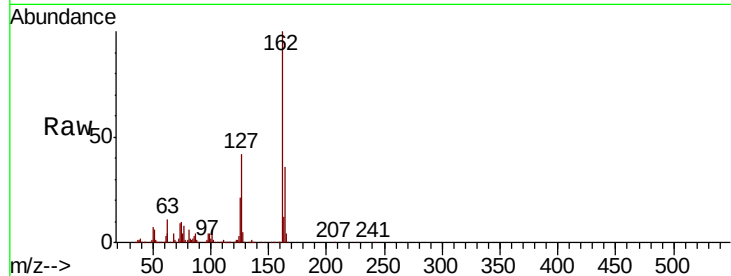
#47
2-Chloronaphthalene
Concen: 37.420 ng
RT: 13.56 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampled :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.0	32.6	48.8
164	36.3	29.0	43.4

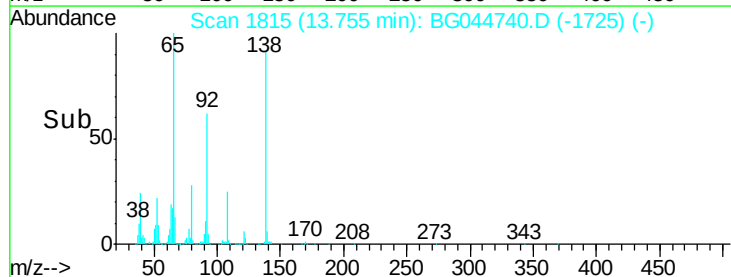
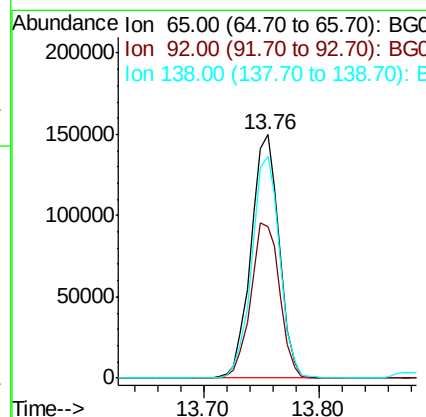
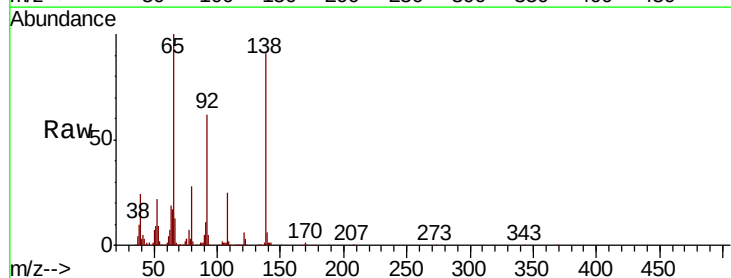
Manual Integrations
APPROVED

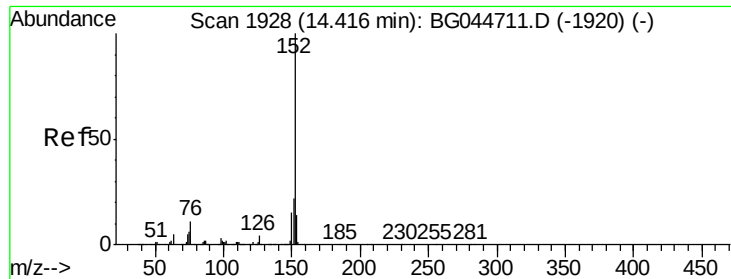
mohammad
3/16/2020 1:48:21 PM



#48
2-Nitroaniline
Concen: 40.340 ng
RT: 13.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.2	52.6	79.0
138	91.3	71.8	107.6





#49

Acenaphthylene

Concen: 39.654 ng

RT: 14.41 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:152 Resp: 1114372

Ion Ratio Lower Upper

152 100

151 22.2 17.8 26.8

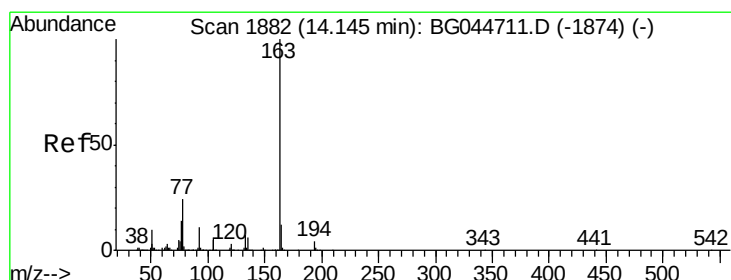
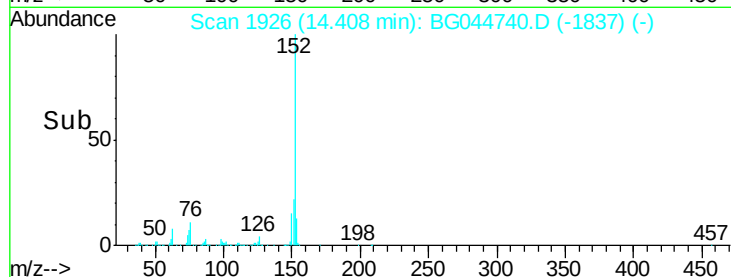
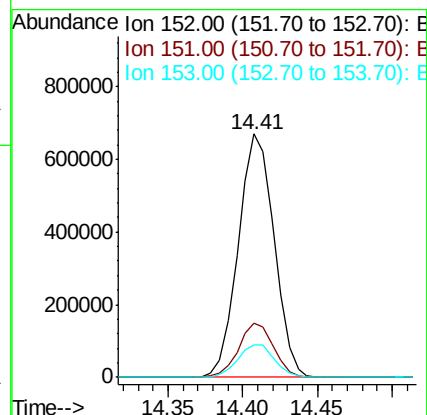
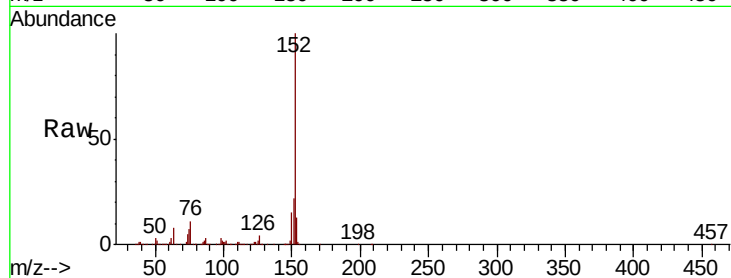
153 13.1 11.4 17.0

Manual Integrations

APPROVED

mohammad

3/16/2020 1:48:21 PM



#50

Dimethylphthalate

Concen: 44.497 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

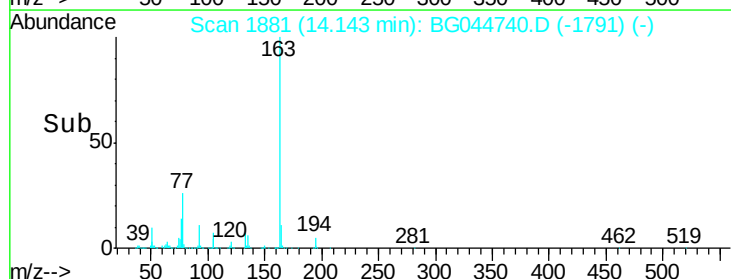
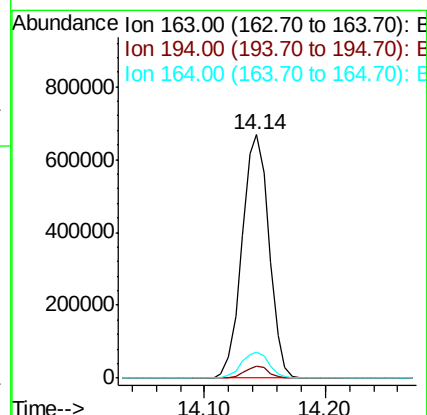
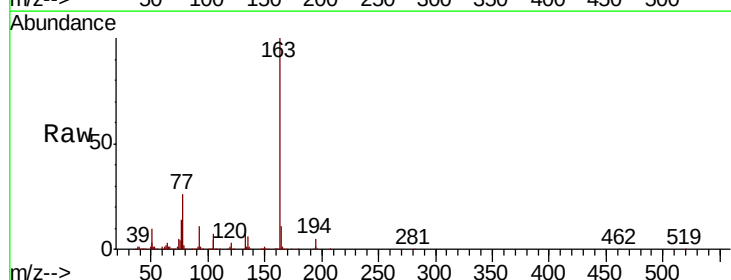
Tgt Ion:163 Resp: 1041360

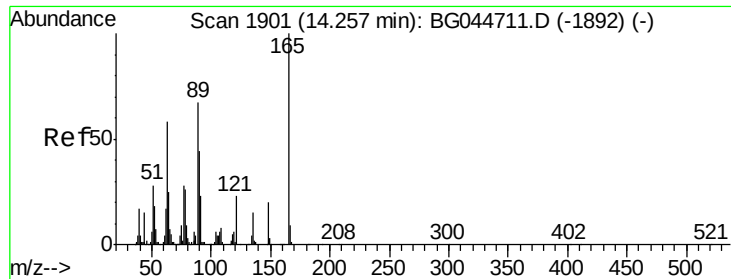
Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

164 10.6 9.2 13.8





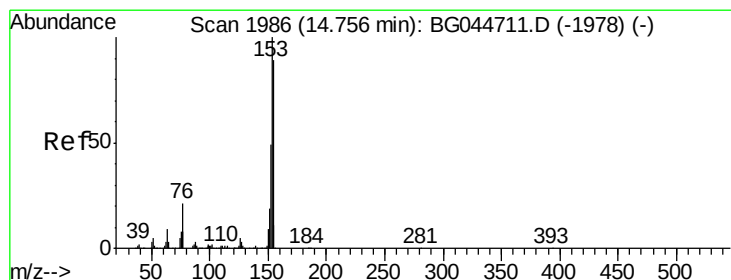
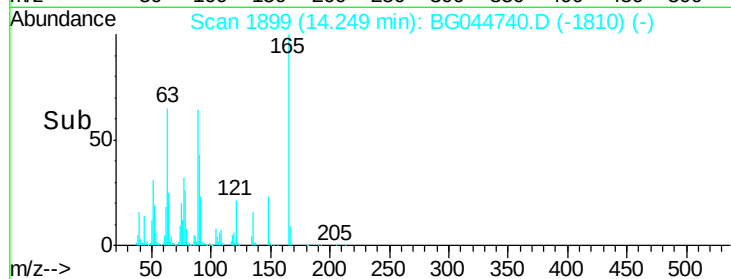
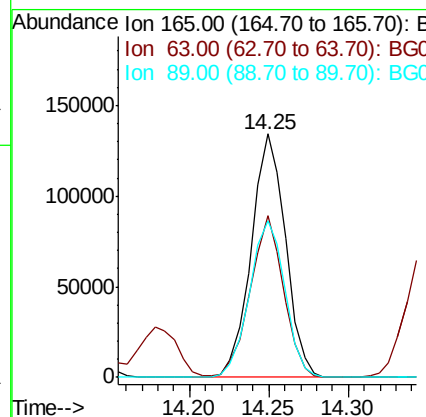
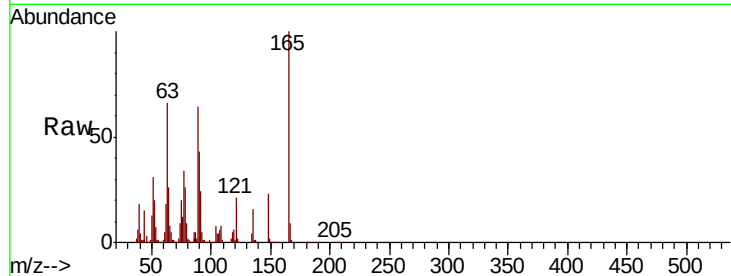
#51
 2,6-Dinitrotoluene
 Concen: 42.588 ng
 RT: 14.25 min Scan# 1899
 Delta R.T. -0.01 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	66.4	48.9	73.3
89	64.4	53.8	80.8

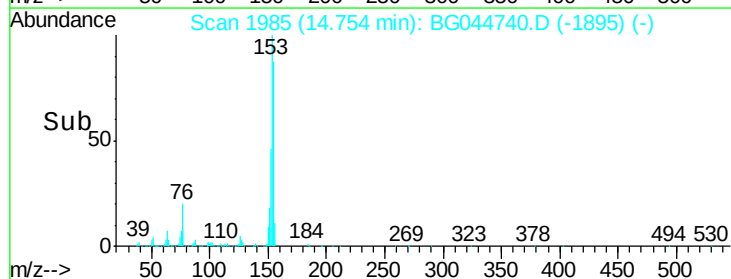
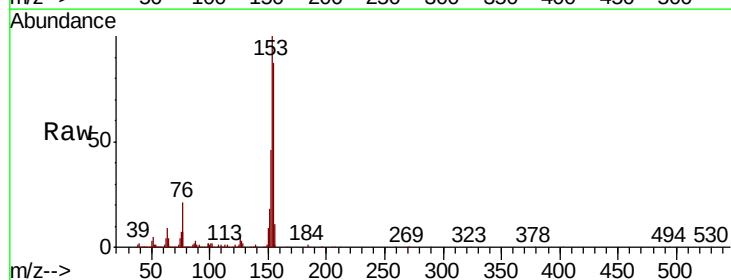
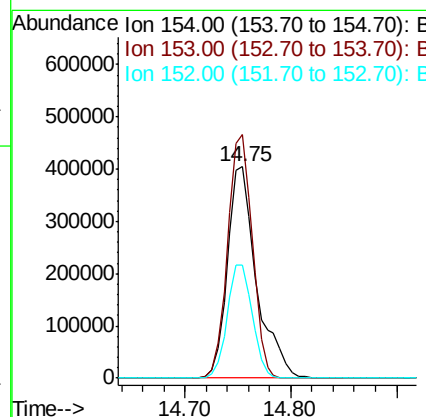
Manual Integrations
 APPROVED

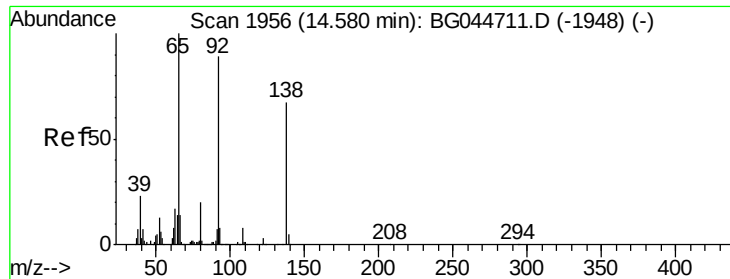
mohammad
 3/16/2020 1:48:21 PM



#52
 Acenaphthene
 Concen: 42.098 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: BG044740.D
 Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.8
152	53.5	44.4	66.6





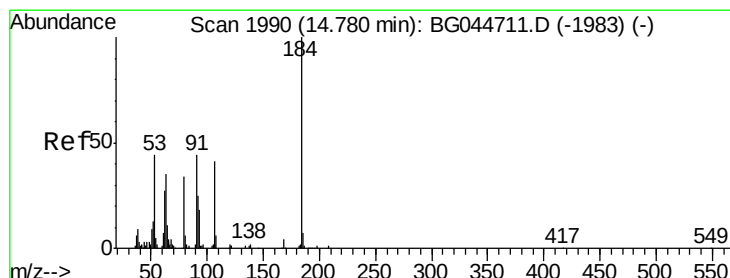
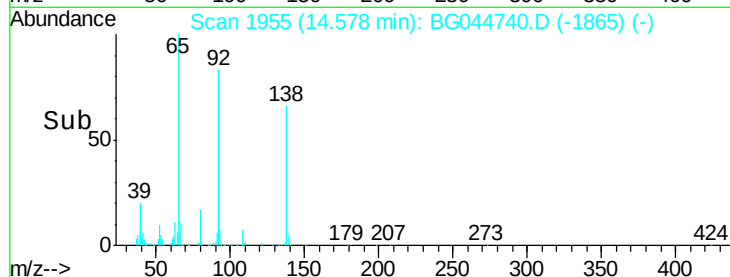
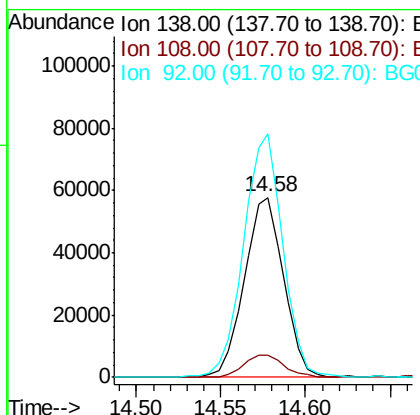
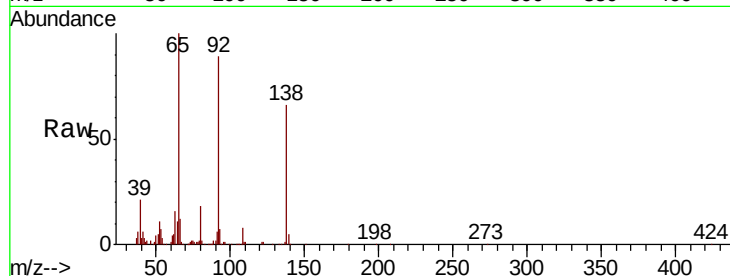
#53
3-Nitroaniline
Concen: 17.214 ng
RT: 14.58 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.3	9.2	13.8
92	135.4	105.6	158.4

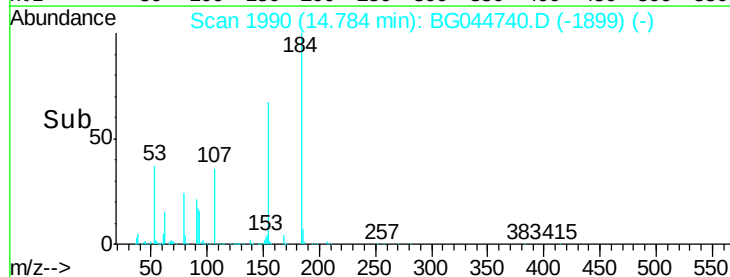
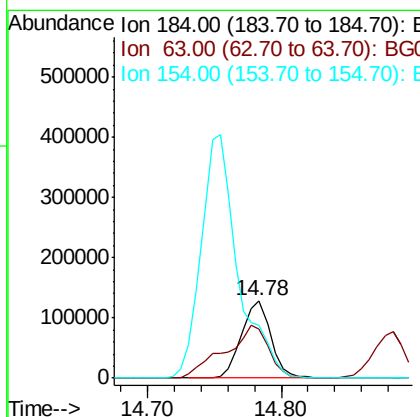
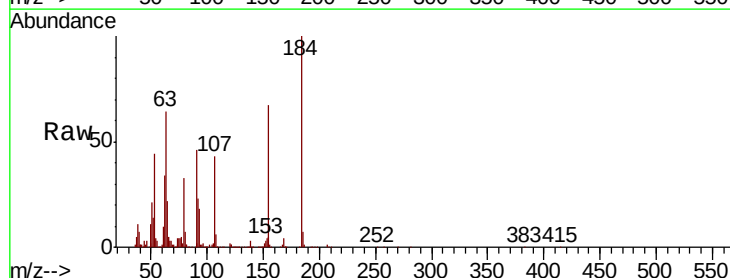
Manual Integrations
APPROVED

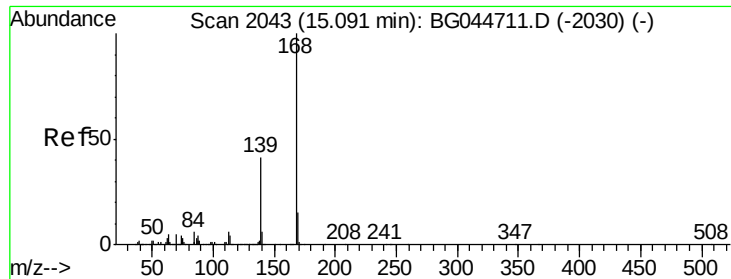
mohammad
3/16/2020 1:48:21 PM



#54
2,4-Dinitrophenol
Concen: 79.134 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.7	49.0	73.6
154	67.3	94.5	141.7#





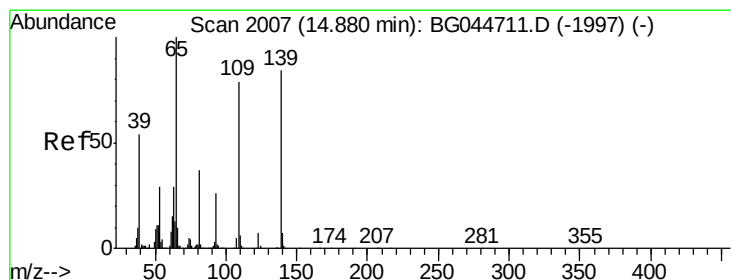
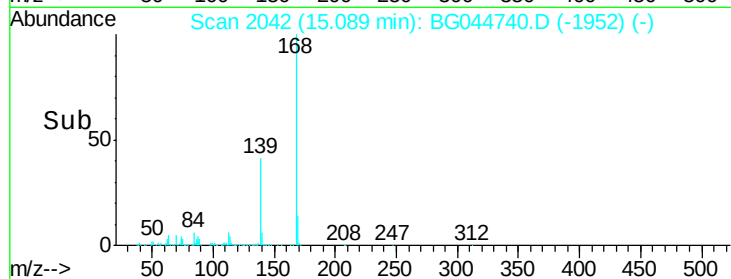
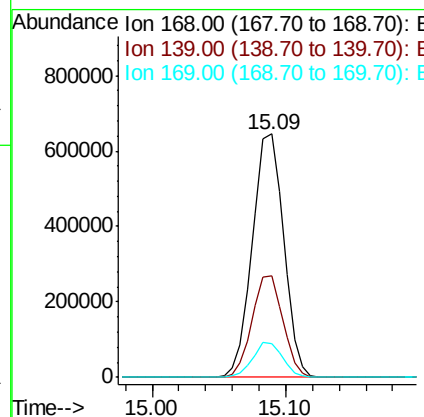
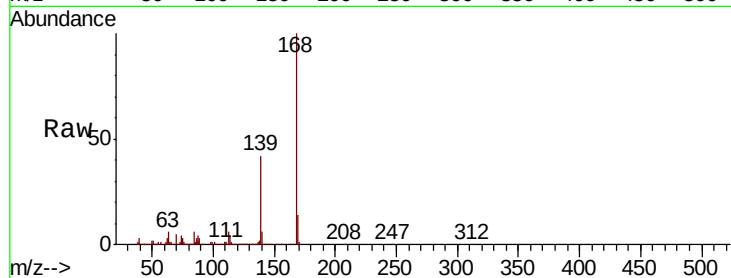
#55
Dibenzofuran
Concen: 39.122 ng
RT: 15.09 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.7	32.6	49.0
169	14.1	11.8	17.6

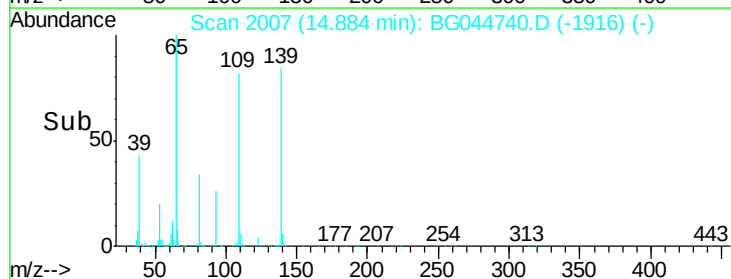
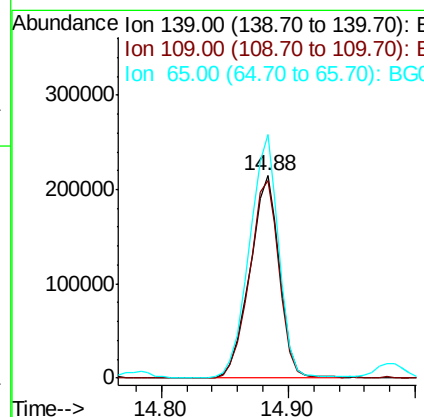
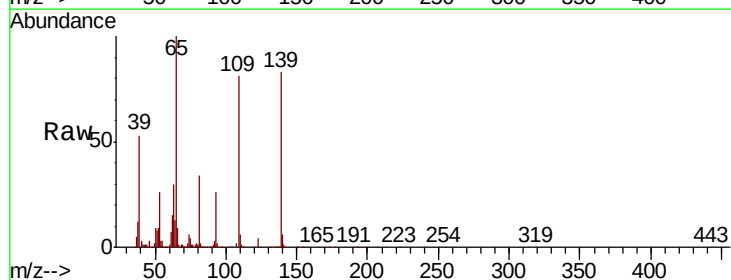
Manual Integrations
APPROVED

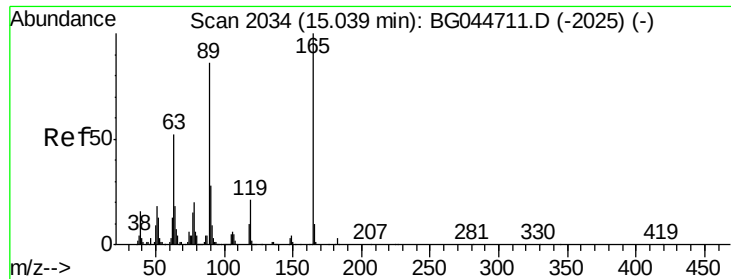
mohammad
3/16/2020 1:48:21 PM



#56
4-Nitrophenol
Concen: 84.170 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	97.4	74.1	114.1
65	120.4	98.6	138.6





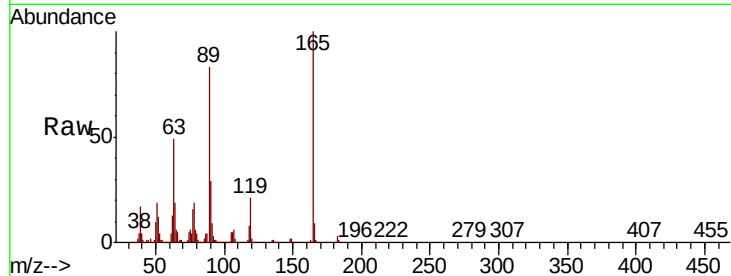
#57
2,4-Dinitrotoluene
Concen: 42.161 ng
RT: 15.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	48.9	41.5	62.3
89	83.1	69.0	103.4
182	3.0	2.7	4.1

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM

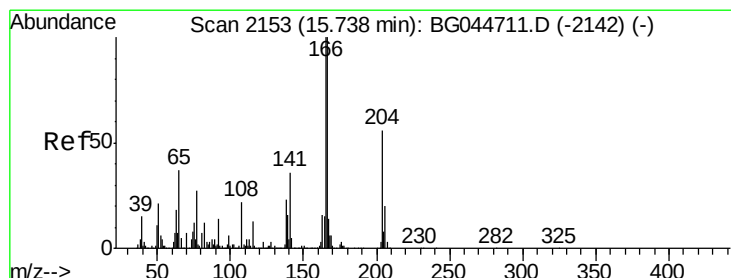
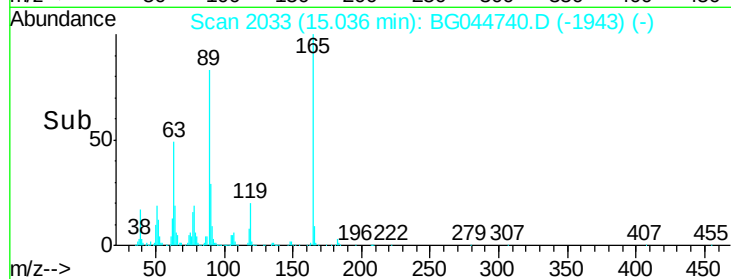
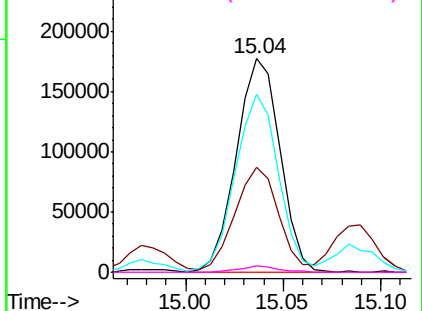


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



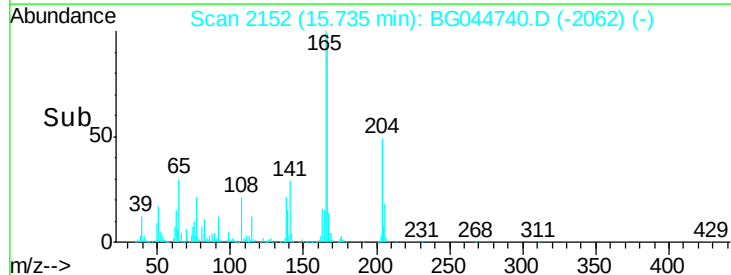
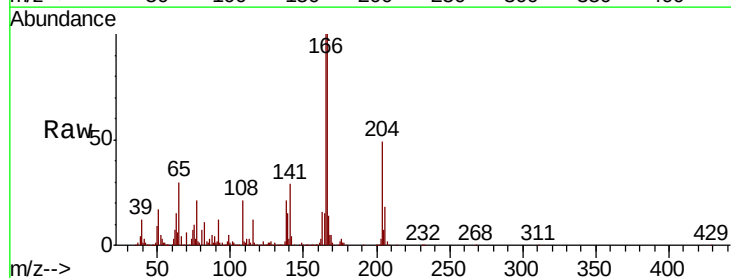
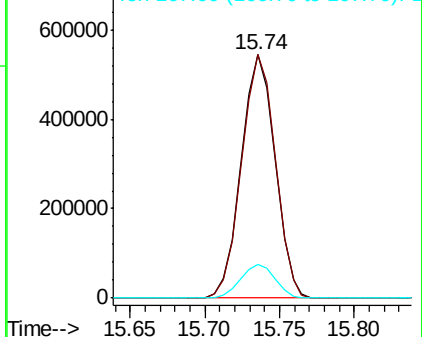
#58
Fluorene
Concen: 38.951 ng
RT: 15.74 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

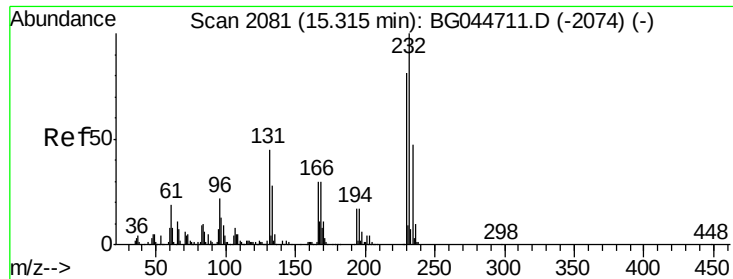
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.6	119.4
167	14.1	11.4	17.2

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





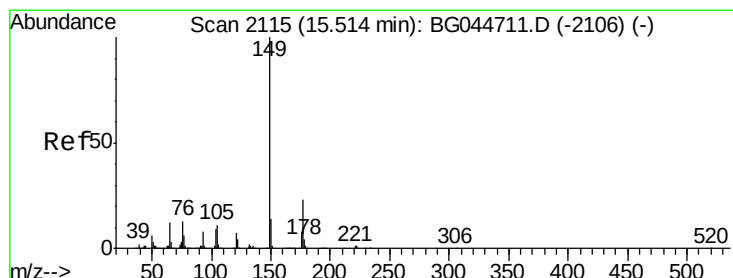
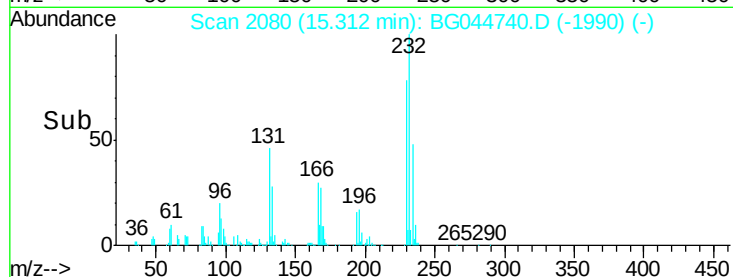
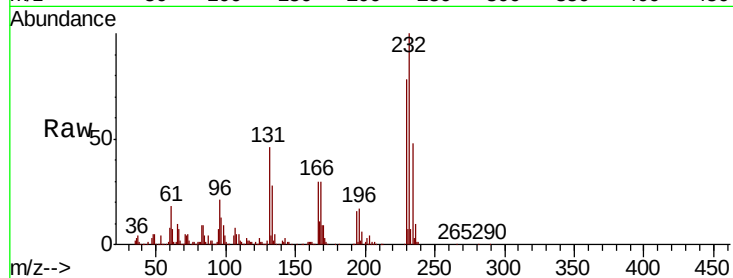
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.294 ng
RT: 15.31 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	265470		
131	39.4		32.4	48.6
130	2.5		2.0	3.0
166	24.6		20.5	30.7

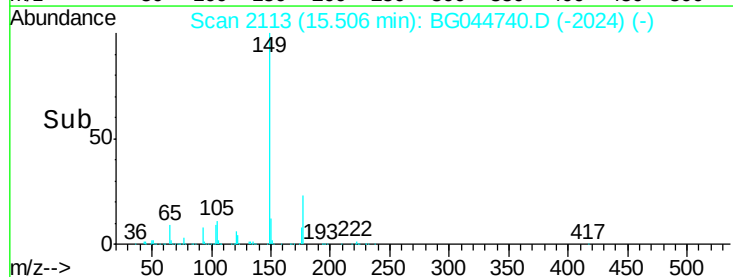
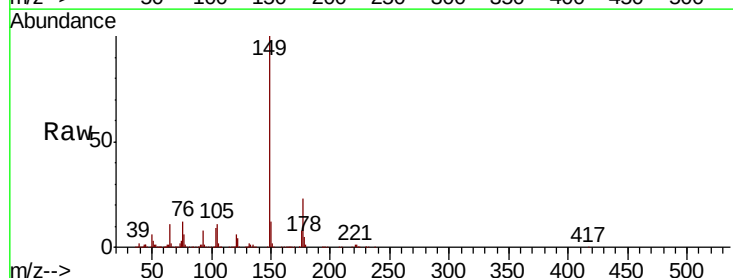
Manual Integrations
APPROVED

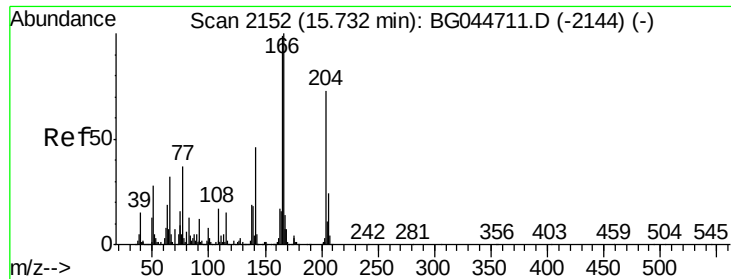
mohammad
3/16/2020 1:48:21 PM



#60
Diethylphthalate
Concen: 38.779 ng
RT: 15.51 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	946563		
177	23.3		18.8	28.2
150	12.4		11.2	16.8





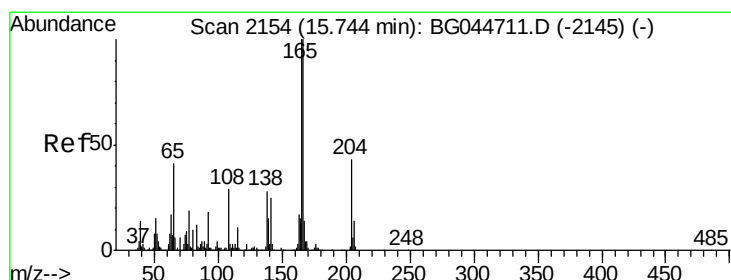
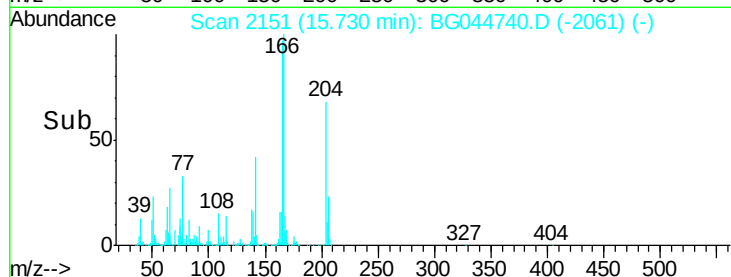
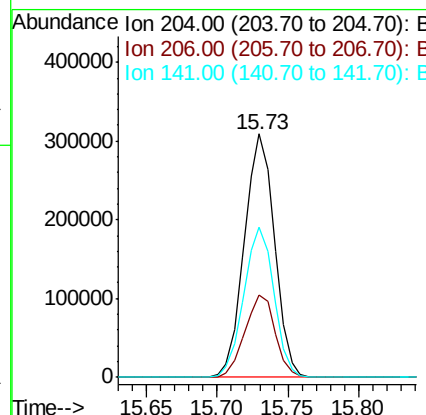
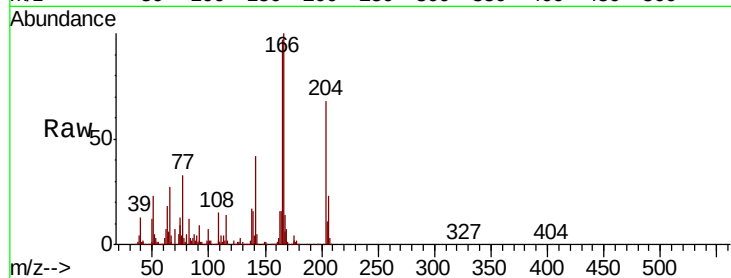
#61
4-Chlorophenyl-phenylether
Concen: 39.087 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	462065		
206	33.9	25.8	38.6	
141	61.9	50.8	76.2	

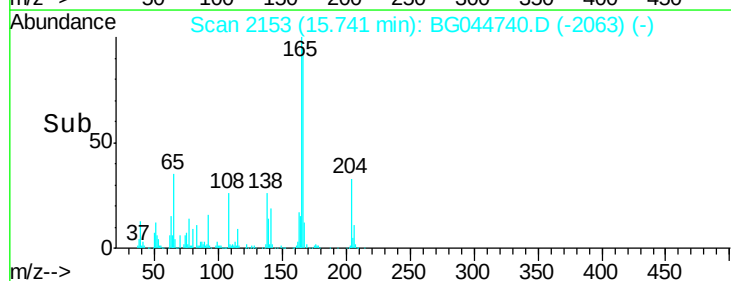
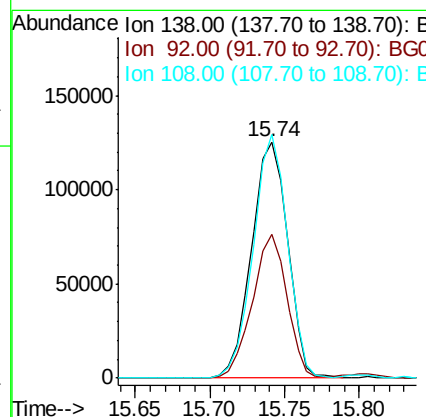
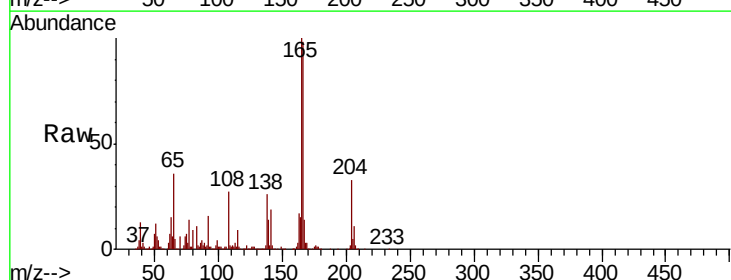
Manual Integrations
APPROVED

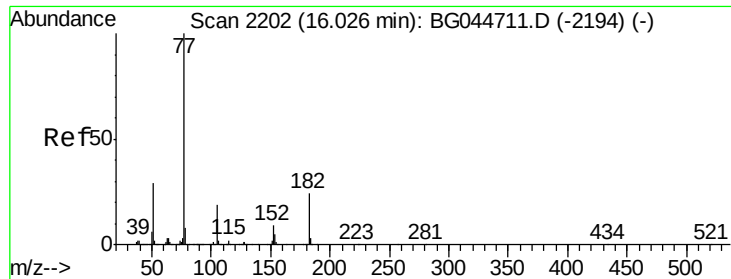
mohammad
3/16/2020 1:48:21 PM



#62
4-Nitroaniline
Concen: 36.267 ng
RT: 15.74 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	209737		
92	60.8	42.1	82.1	
108	103.1	81.2	121.2	





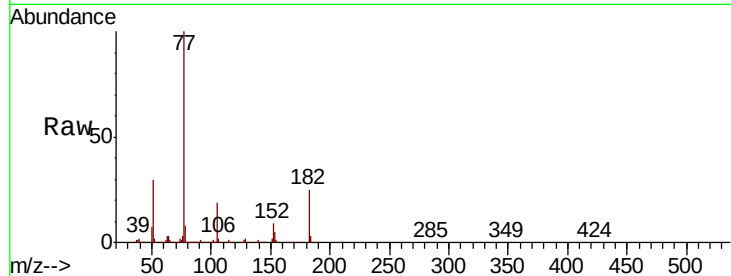
#63
Azobenzene
Concen: 39.216 ng
RT: 16.02 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

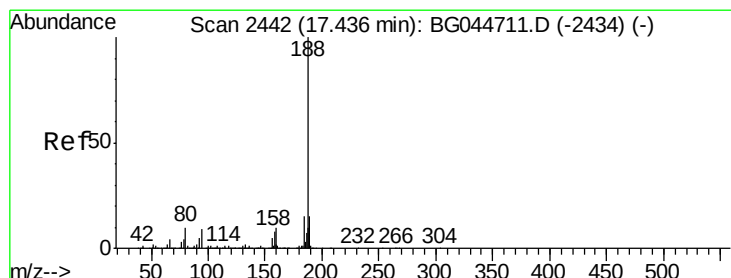
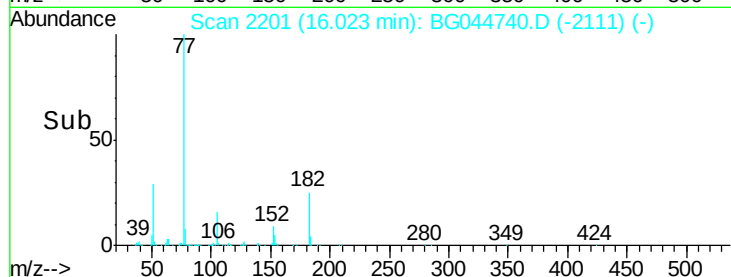
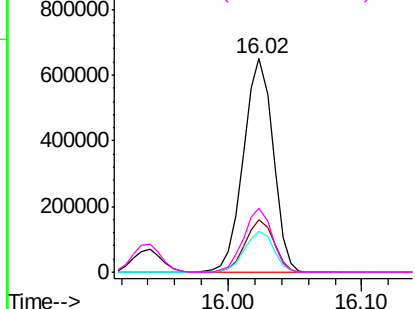
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	24.6	3.6	43.6		
105	19.3	0.0	39.3		
51	29.8	8.7	48.7		

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



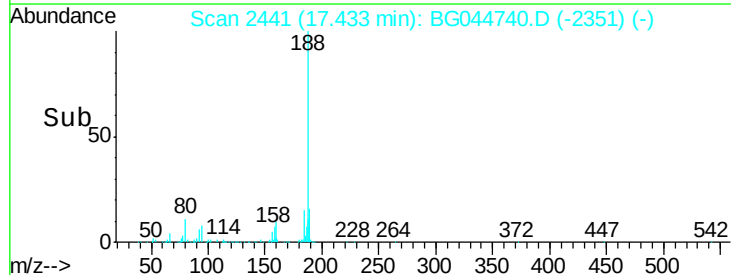
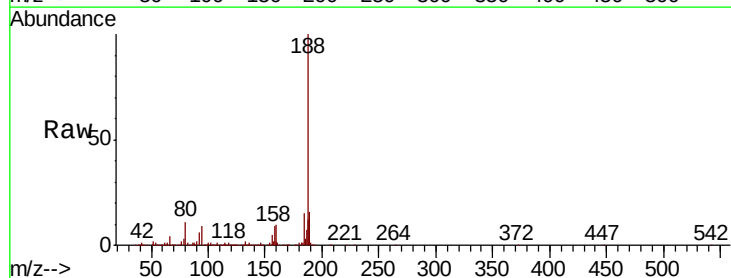
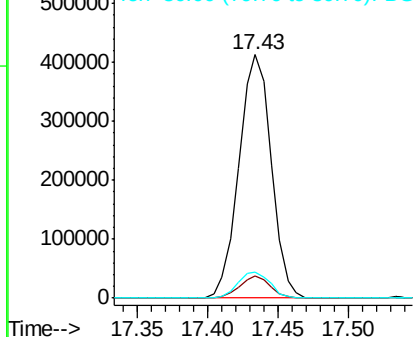
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

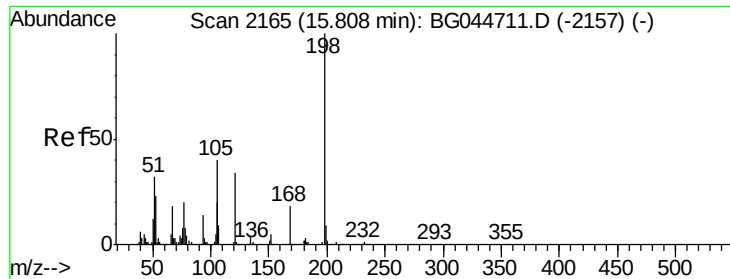


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.1	7.0	10.6		
80	10.7	8.4	12.6		

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 46.825 ng

RT: 15.81 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

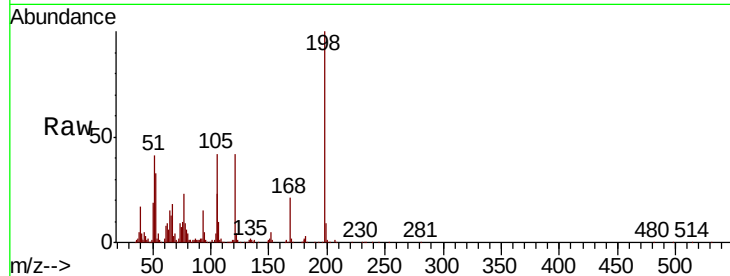
ClientSampleId :

TP-4-SAMS

Tot Ion:	198	Resp:	144789
Ion	Ratio	Lower	Upper
198	100		
51	41.0	20.1	60.1
105	42.0	21.3	61.3

Manual Integrations
APPROVED

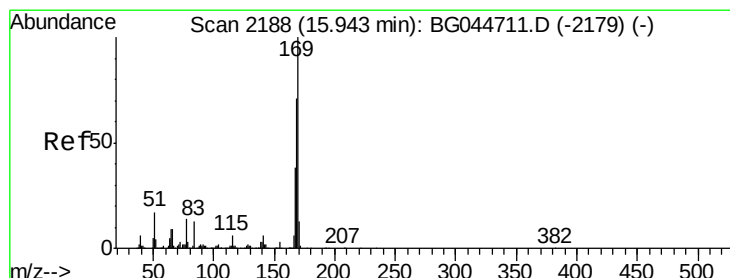
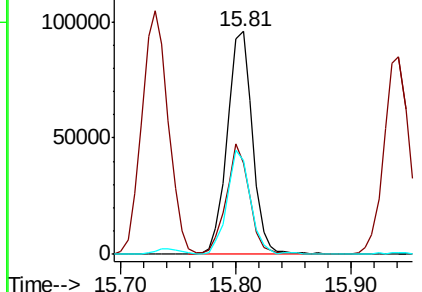
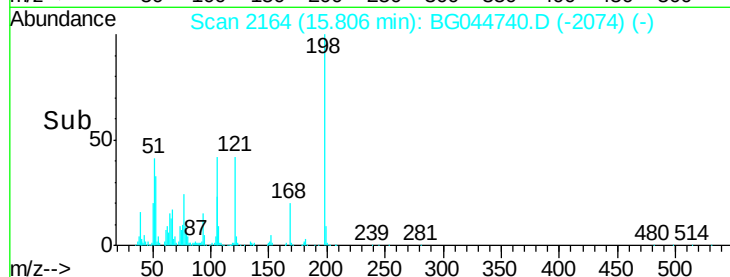
mohammad
3/16/2020 1:48:21 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.166 ng

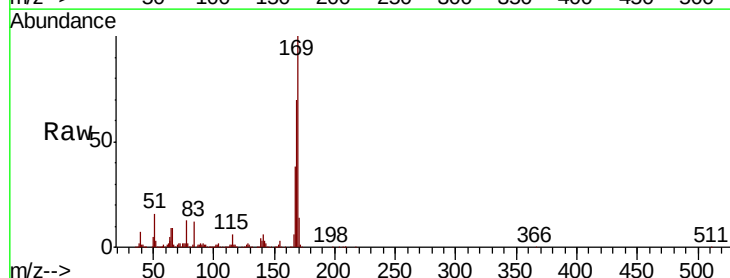
RT: 15.94 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

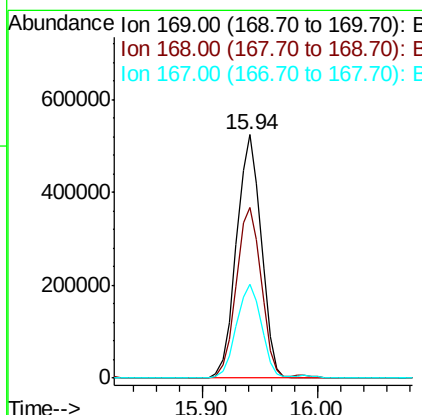
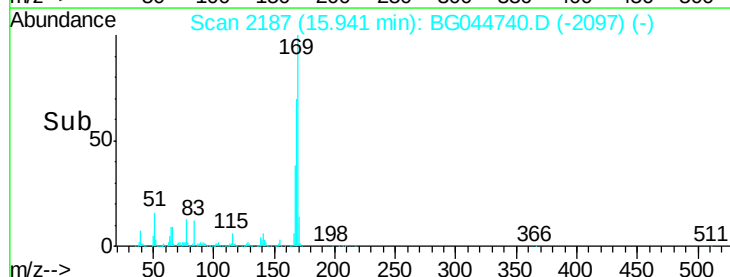
Tgt Ion:	169	Resp:	778577
Ion	Ratio	Lower	Upper
169	100		
168	70.1	56.6	85.0
167	38.4	30.1	45.1

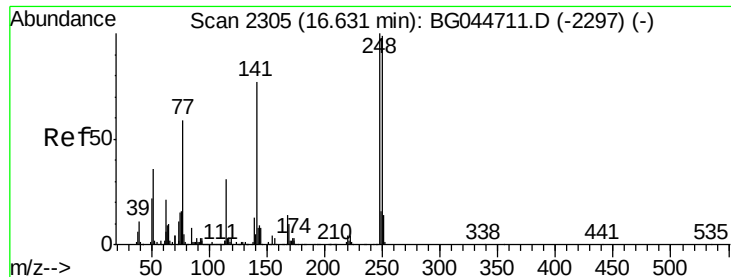


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





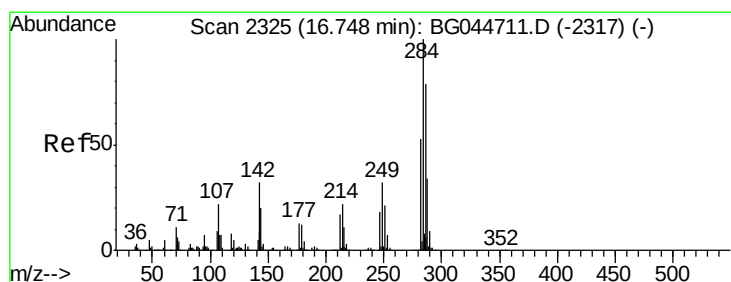
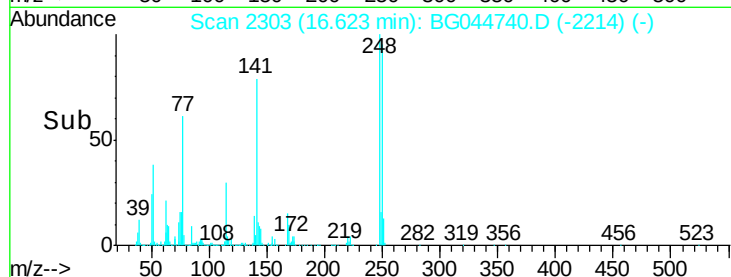
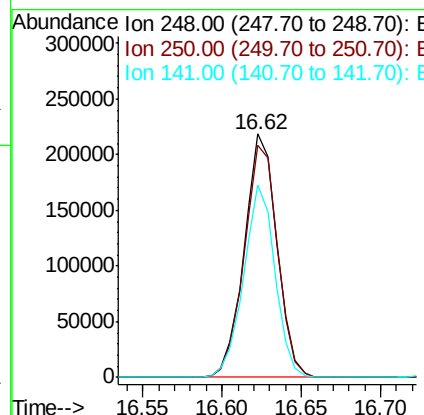
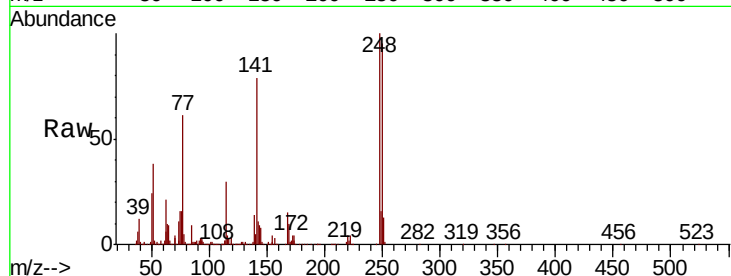
#67
4-Bromophenyl-phenylether
Concen: 37.776 ng
RT: 16.62 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.4	79.4	119.0
141	79.0	61.7	92.5

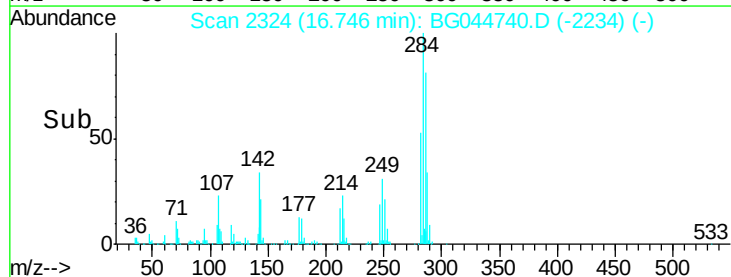
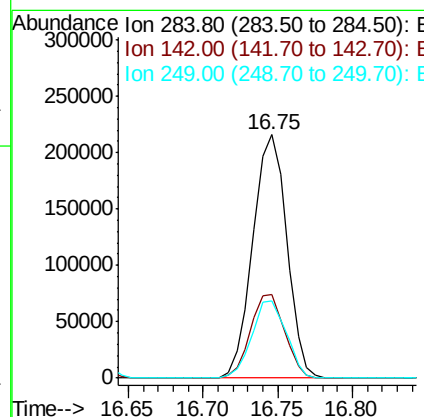
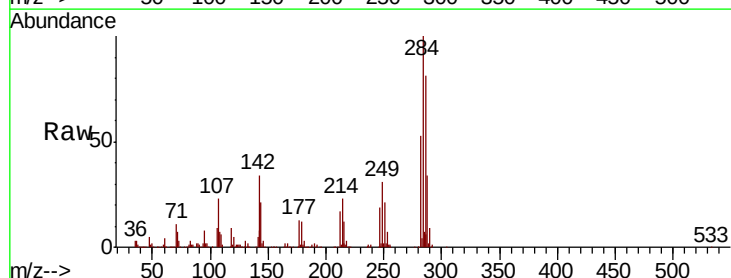
Manual Integrations
APPROVED

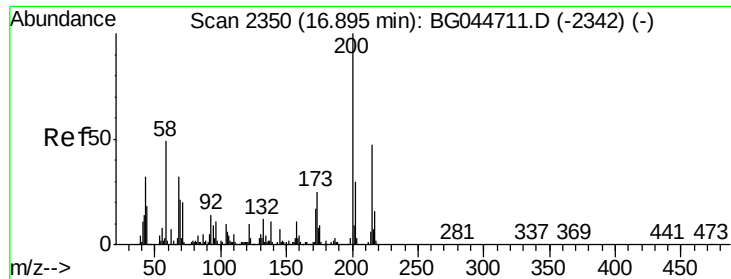
mohammad
3/16/2020 1:48:21 PM



#68
Hexachlorobenzene
Concen: 37.837 ng
RT: 16.75 min Scan# 2324
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	25.6	38.4
249	31.5	25.8	38.6





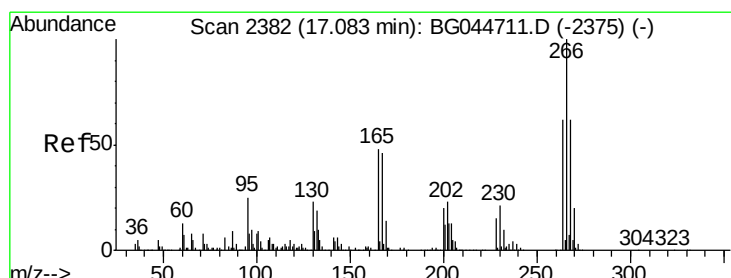
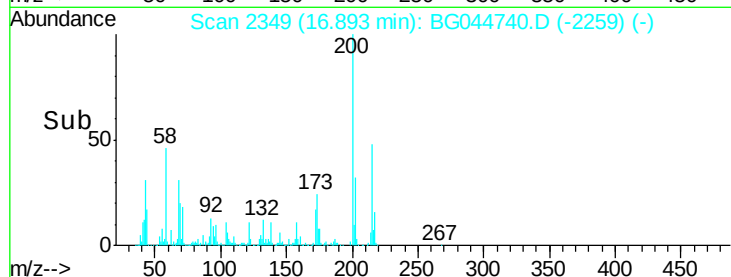
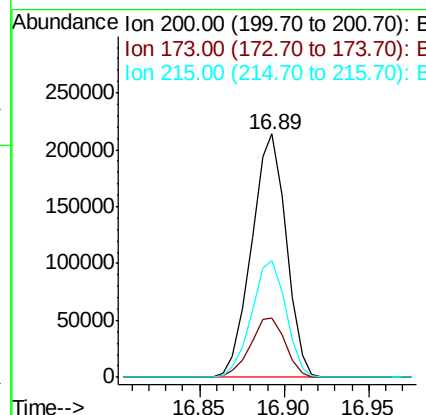
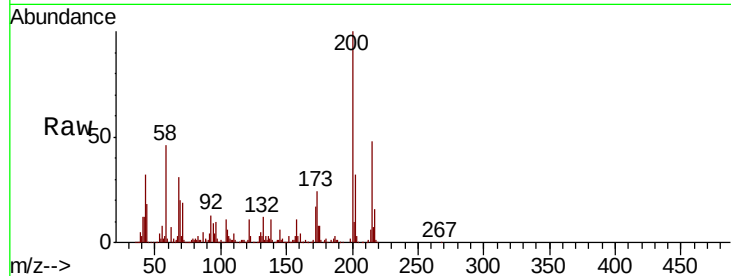
#69
Atrazine
Concen: 42.033 ng
RT: 16.89 min Scan# 2349
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.1	4.8	44.8
215	48.0	27.4	67.4

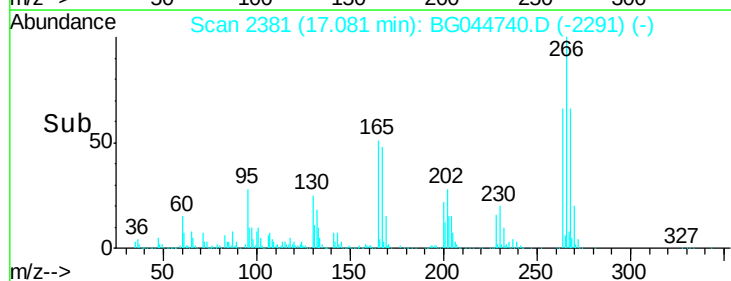
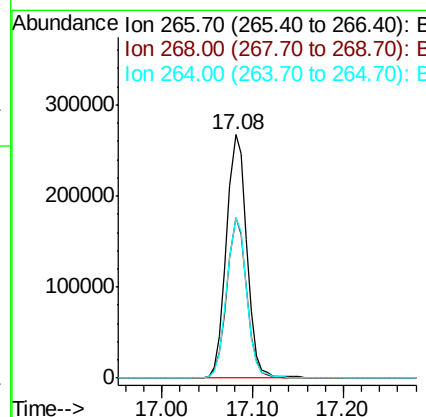
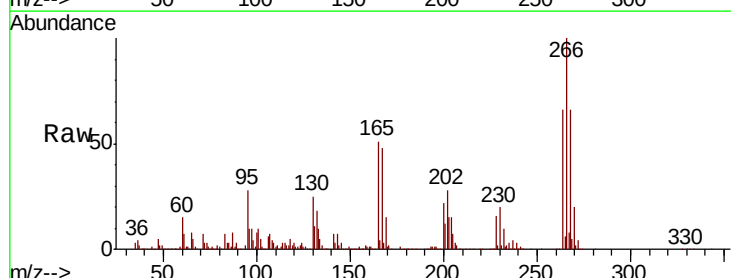
Manual Integrations
APPROVED

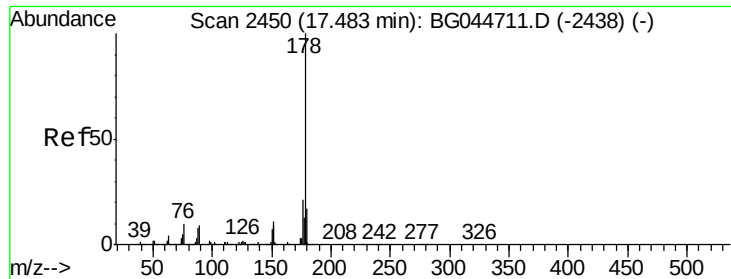
mohammad
3/16/2020 1:48:21 PM



#70
Pentachlorophenol
Concen: 84.790 ng
RT: 17.08 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.9	49.9	74.9
264	65.8	49.9	74.9





#71

Phenanthrene

Concen: 39.217 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:178 Resp: 1383734

Ion Ratio Lower Upper

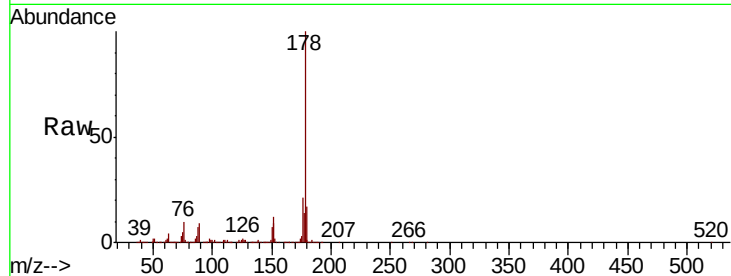
178 100

176 20.9 17.0 25.6

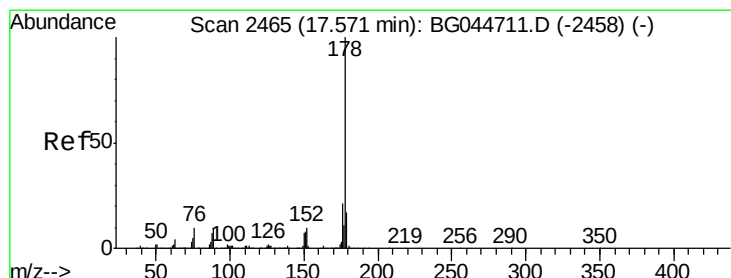
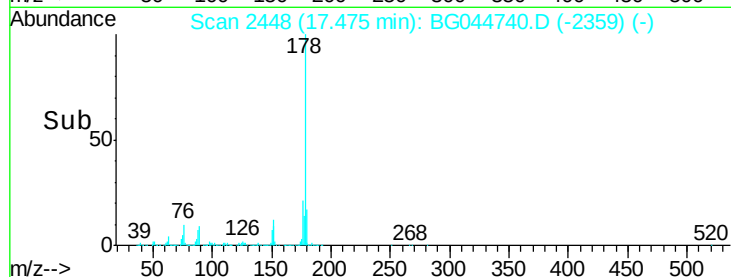
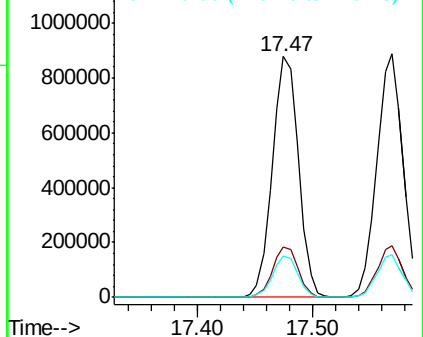
179 17.1 13.7 20.5

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



Abundance Ion 178.00 (177.70 to 178.70): E
1200000 Ion 176.00 (175.70 to 176.70): E
1000000 Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.171 ng

RT: 17.57 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

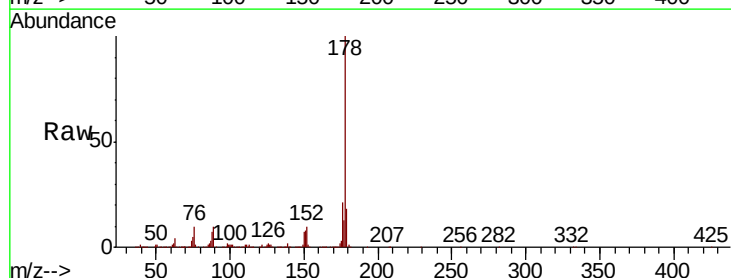
Tgt Ion:178 Resp: 1397634

Ion Ratio Lower Upper

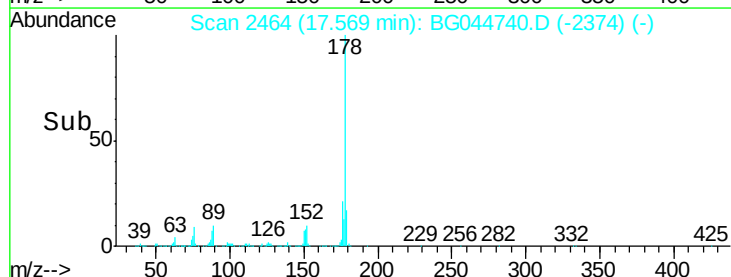
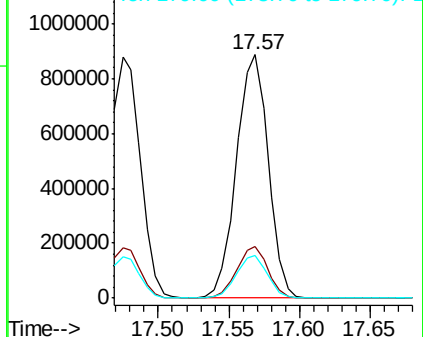
178 100

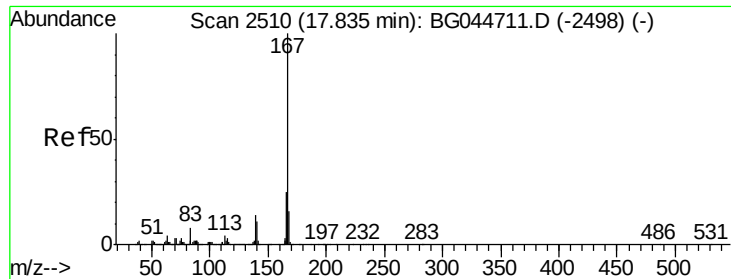
176 21.2 17.0 25.6

179 17.5 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
1200000 Ion 176.00 (175.70 to 176.70): E
1000000 Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 39.595 ng

RT: 17.83 min Scan# 2508

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:167 Resp: 1323268

Ion Ratio Lower Upper

167 100

166 24.1 19.6 29.4

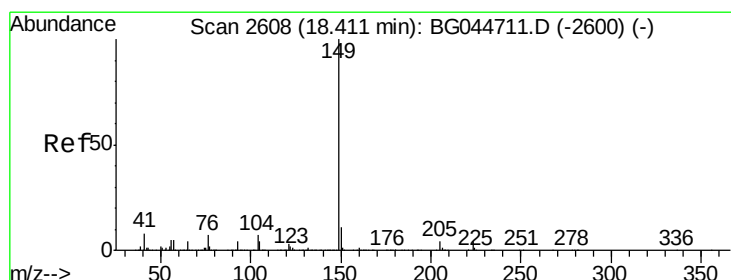
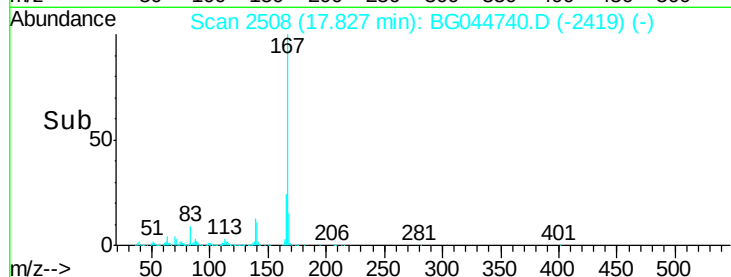
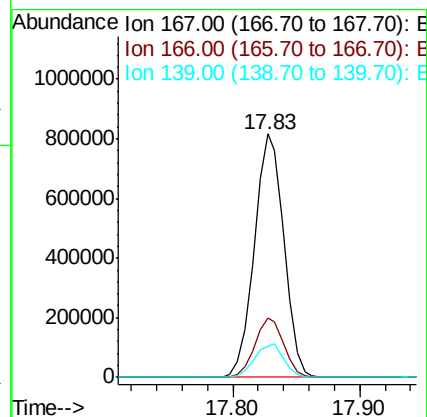
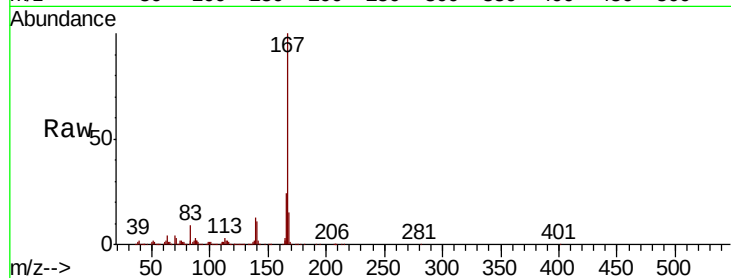
139 12.5 11.4 17.2

Manual Integrations

APPROVED

mohammad

3/16/2020 1:48:21 PM



#74

Di-n-butylphthalate

Concen: 39.011 ng

RT: 18.40 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

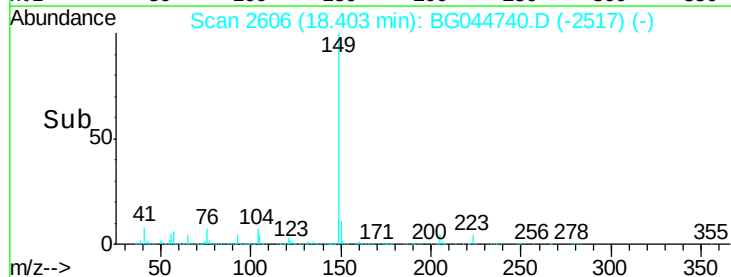
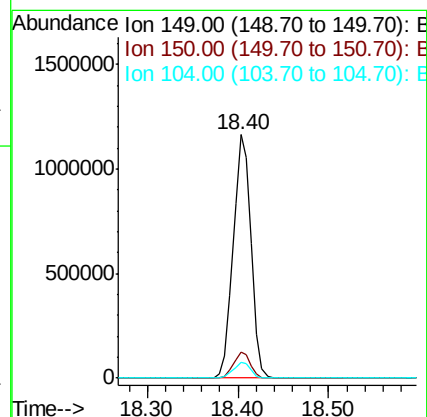
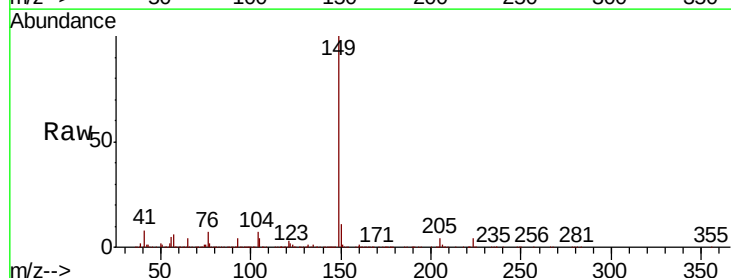
Tgt Ion:149 Resp: 1584839

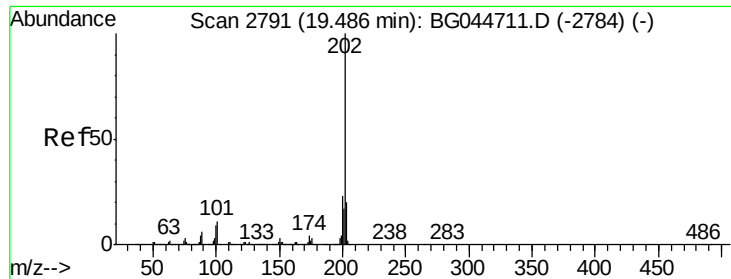
Ion Ratio Lower Upper

149 100

150 10.9 8.4 12.6

104 6.5 5.6 8.4





#75

Fluoranthene

Concen: 40.046 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

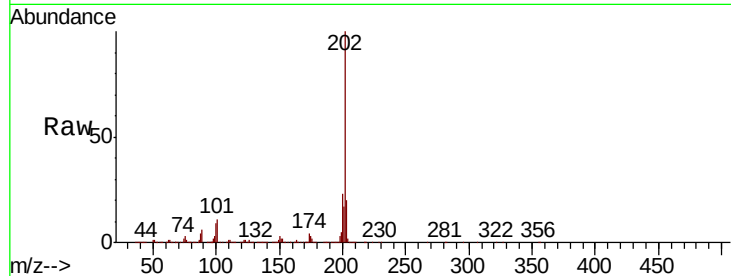
ClientSampled :

TP-4-SAMS

Tot Ion:	202	Resp:	1682394
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.3
203	20.1	0.4	40.4

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM

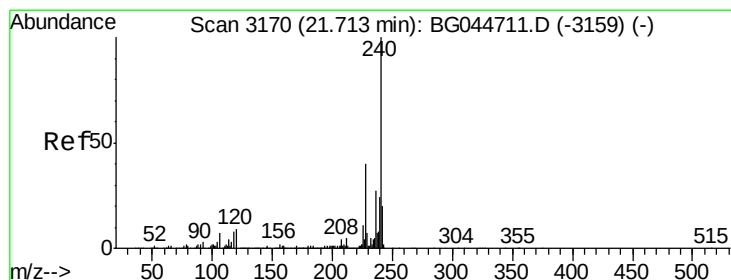
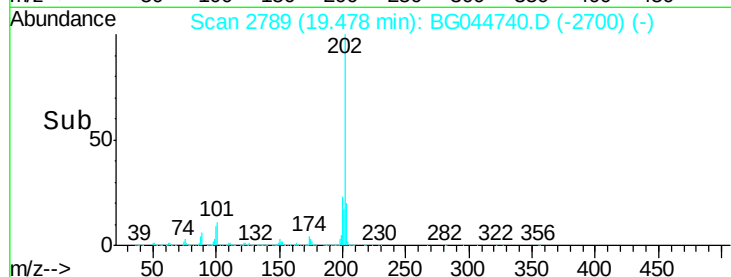
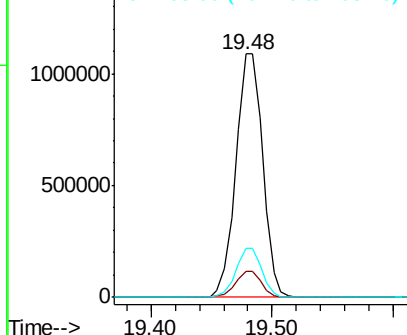


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

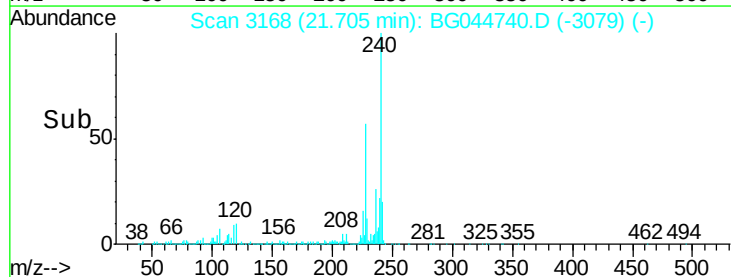
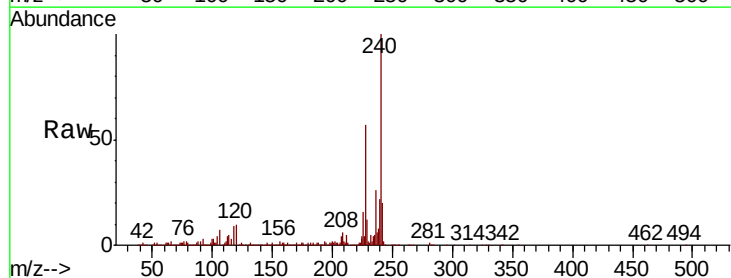
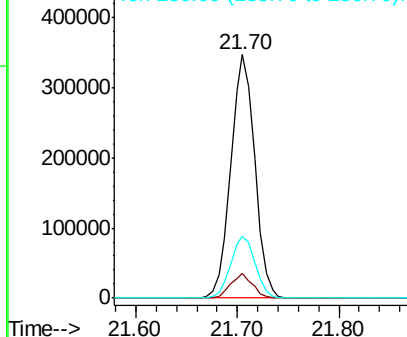
Tgt Ion:	240	Resp:	568806
Ion	Ratio	Lower	Upper
240	100		
120	10.3	6.9	10.3
236	25.5	21.9	32.9

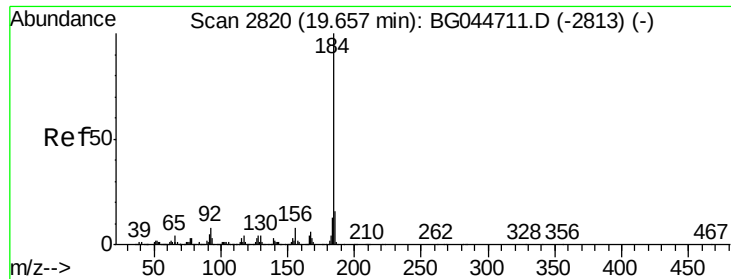
Abundance

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: 35.917 ng

RT: 19.65 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

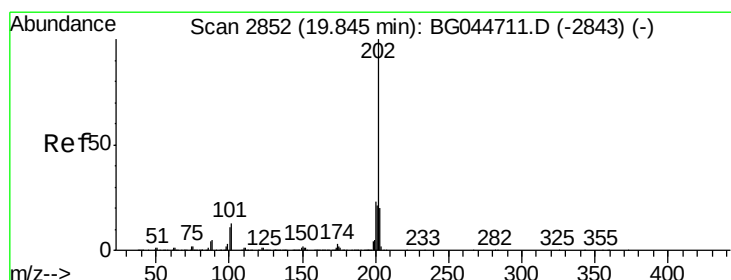
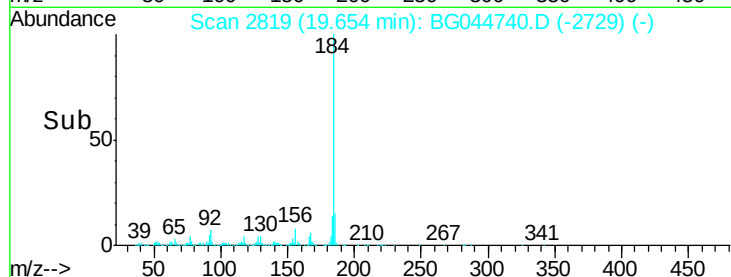
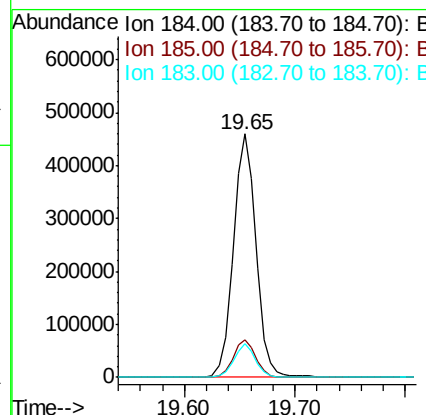
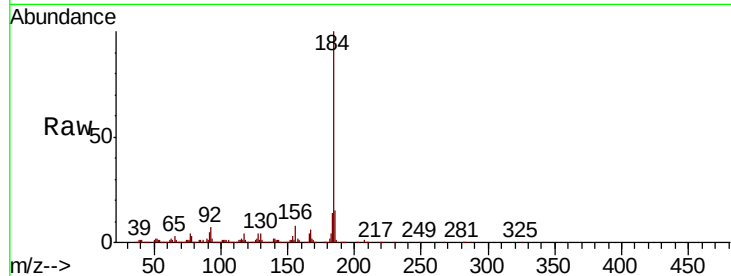
ClientSampleId :

TP-4-SAMS

Tot Ion:	184	Resp:	663238
Ion Ratio	Lower	Upper	
184	100		
185	15.4	12.9	19.3
183	13.6	10.6	15.8

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#78

Pyrene

Concen: 40.532 ng

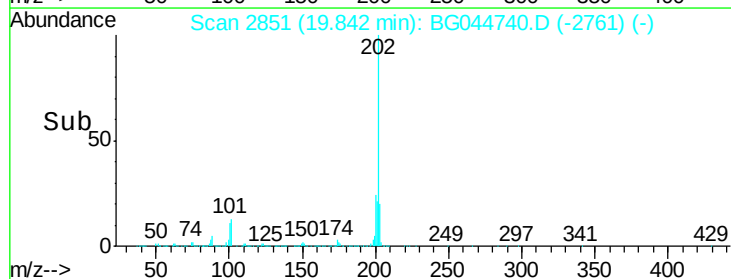
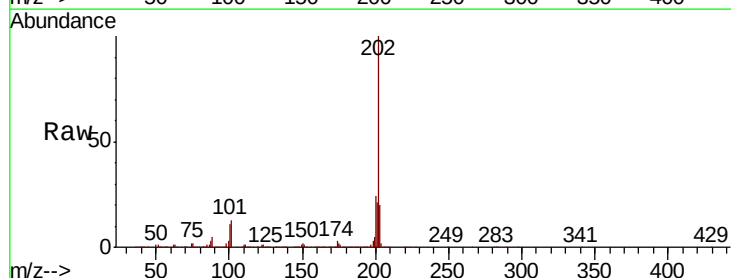
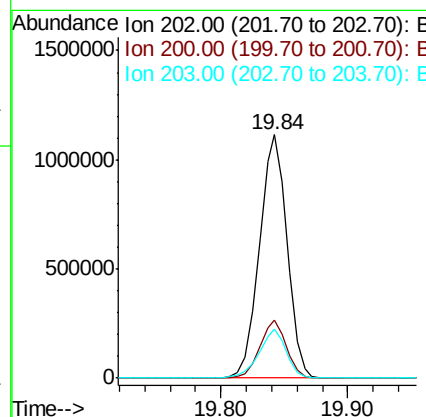
RT: 19.84 min Scan# 2851

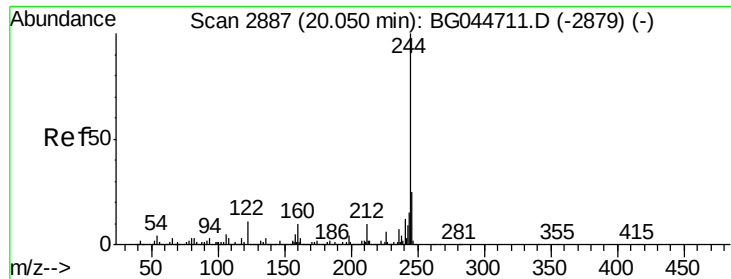
Delta R.T. -0.00 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	202	Resp:	1691447
Ion Ratio	Lower	Upper	
202	100		
200	24.0	18.7	28.1
203	20.2	16.0	24.0





#79

Terphenyl-d14

Concen: 67.059 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:244 Resp: 2039165

Ion Ratio Lower Upper

244 100

212 9.6 8.4 12.6

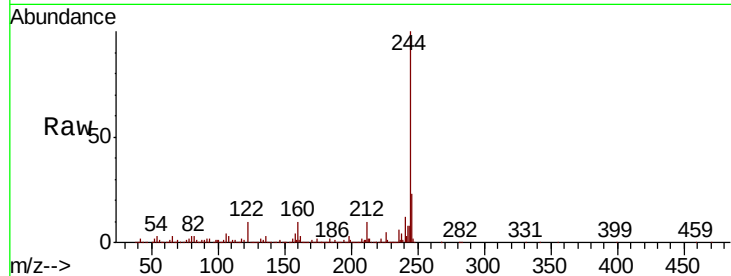
122 10.5 8.7 13.1

Manual Integrations

APPROVED

mohammad

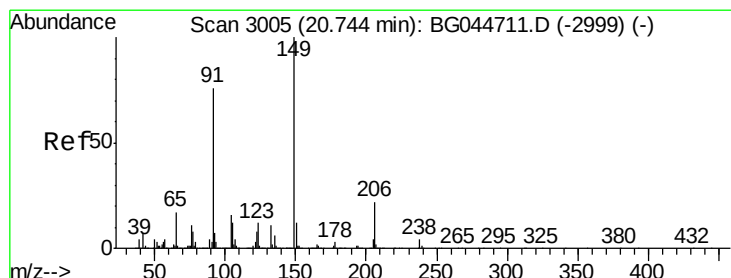
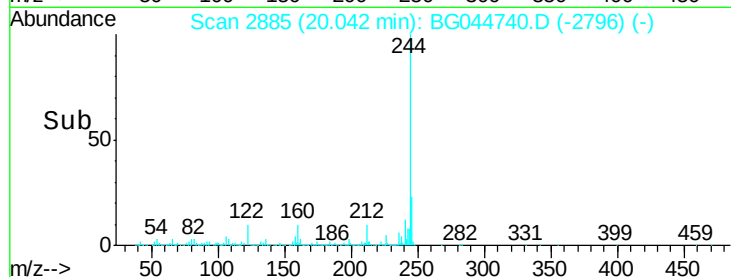
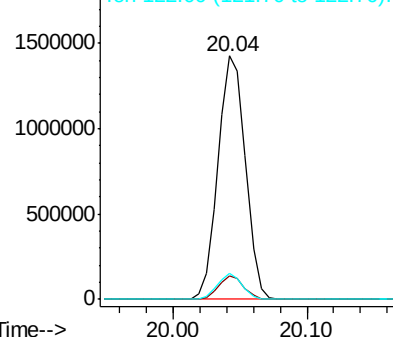
3/16/2020 1:48:21 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 39.415 ng

RT: 20.74 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

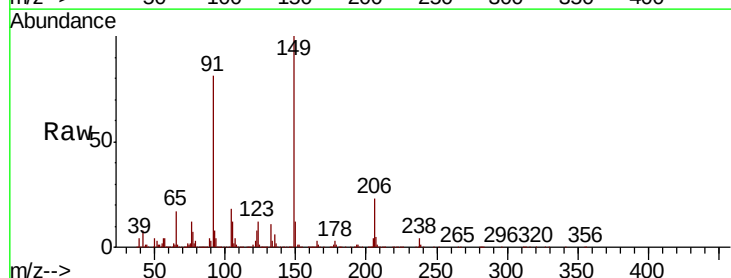
Tgt Ion:149 Resp: 731751

Ion Ratio Lower Upper

149 100

91 80.7 61.1 91.7

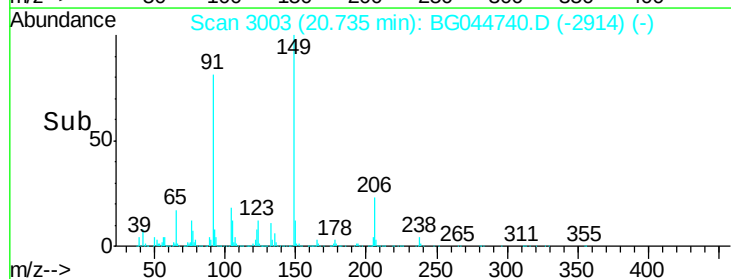
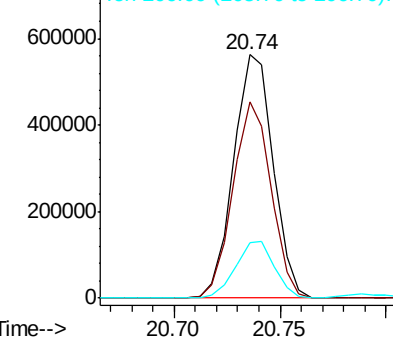
206 22.8 17.4 26.2

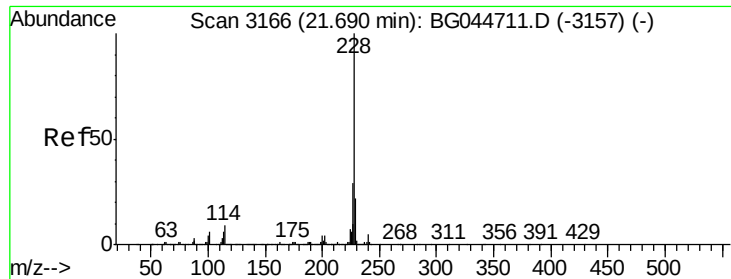


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





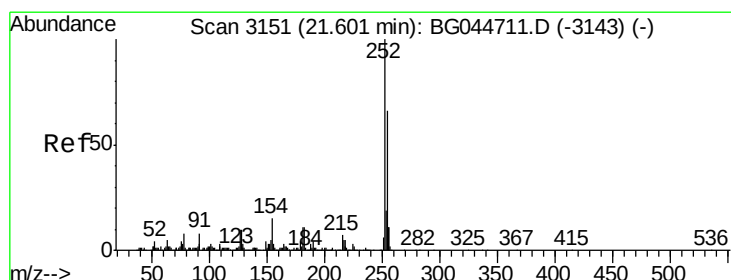
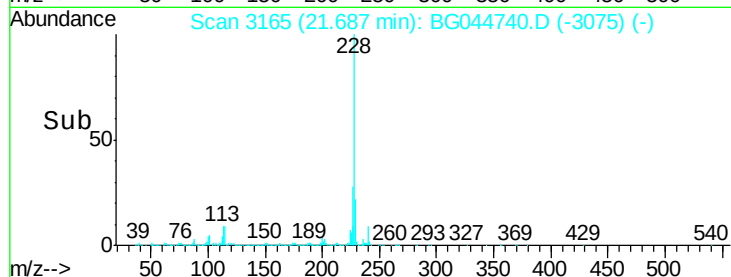
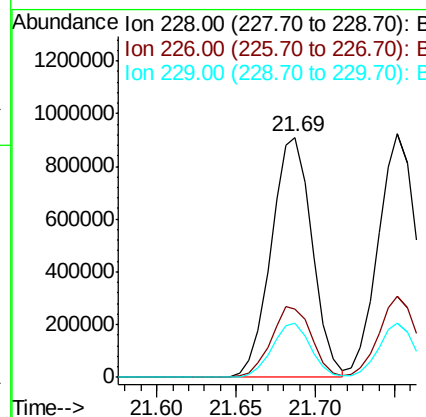
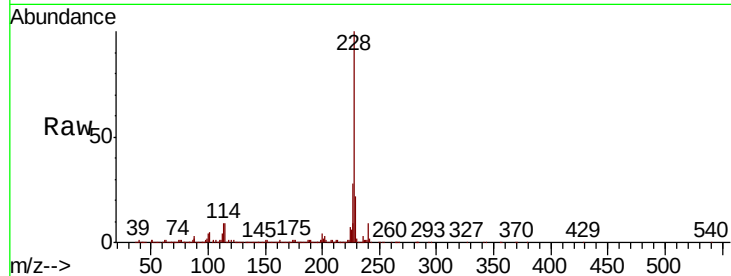
#81
Benzo(a)anthracene
Concen: 39.694 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.5	35.3
229	22.4	17.2	25.8

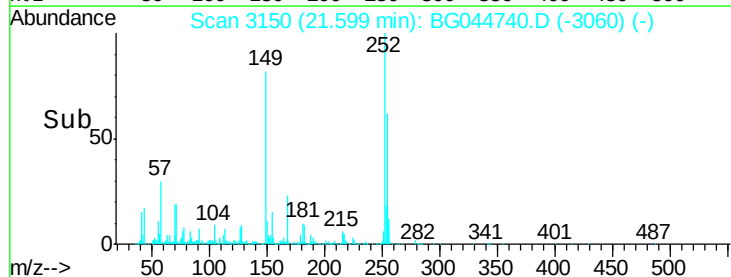
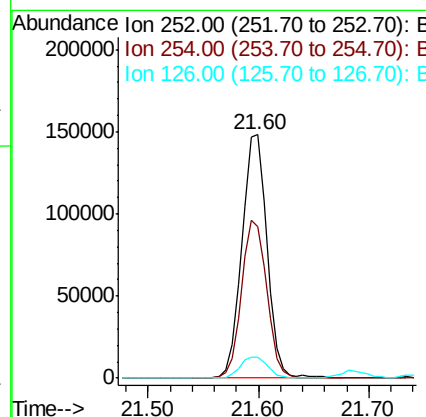
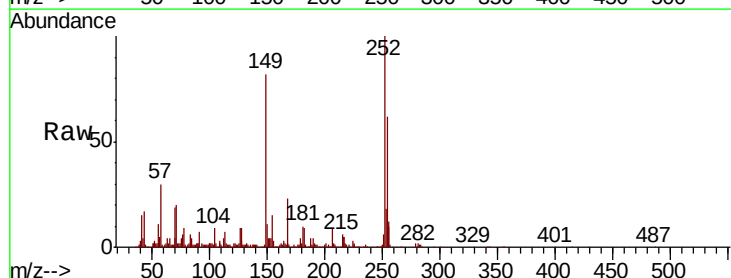
Manual Integrations
APPROVED

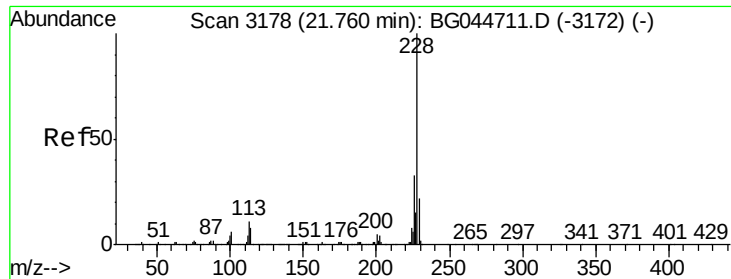
mohammad
3/16/2020 1:48:21 PM



#82
3,3'-Dichlorobenzidine
Concen: 15.023 ng
RT: 21.60 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	53.0	79.4
126	8.7	8.2	12.4





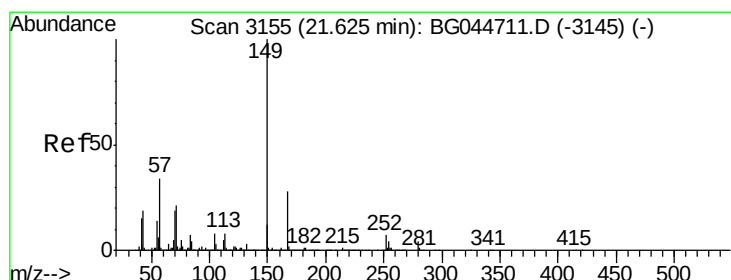
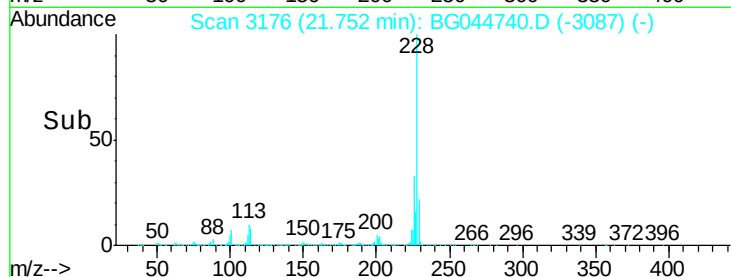
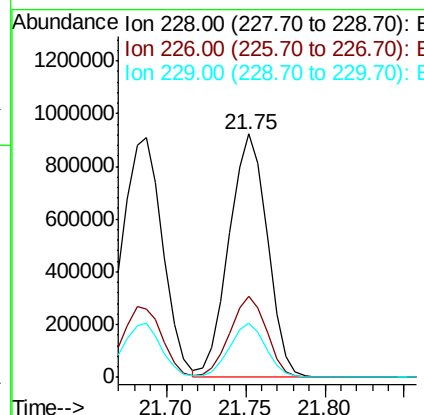
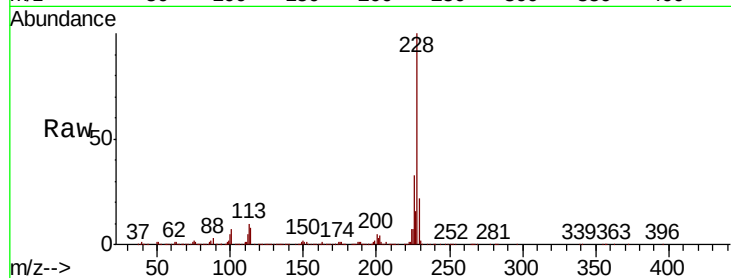
#83
Chrysene
Concen: 39.437 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	26.1	39.1
229	22.3	17.4	26.0

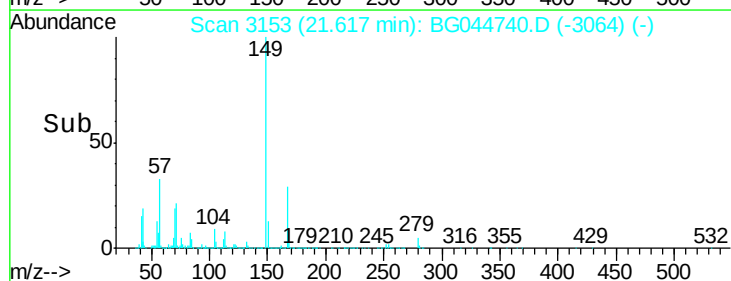
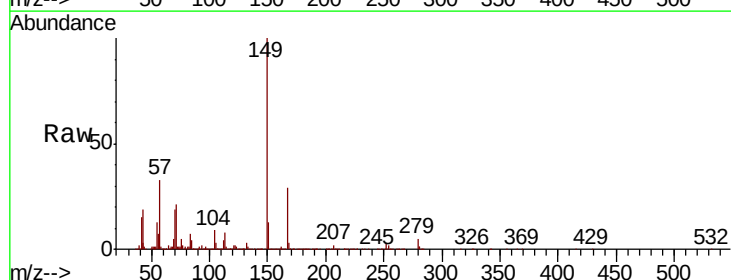
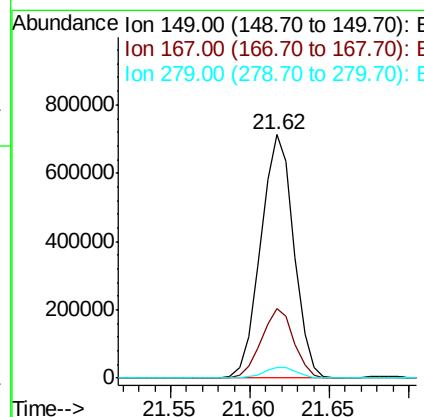
Manual Integrations
APPROVED

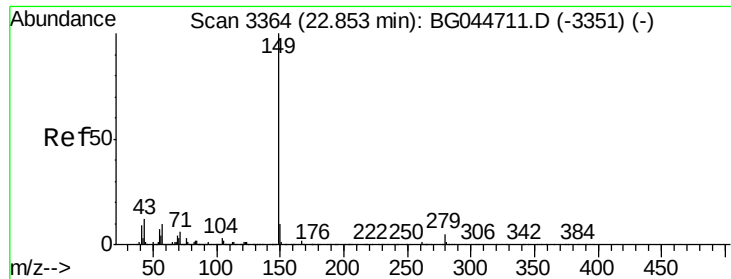
mohammad
3/16/2020 1:48:21 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.364 ng
RT: 21.62 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.6	33.8
279	4.6	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 41.058 ng

RT: 22.84 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

ClientSampleId :

TP-4-SAMS

Tot Ion:149 Resp: 1760435

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

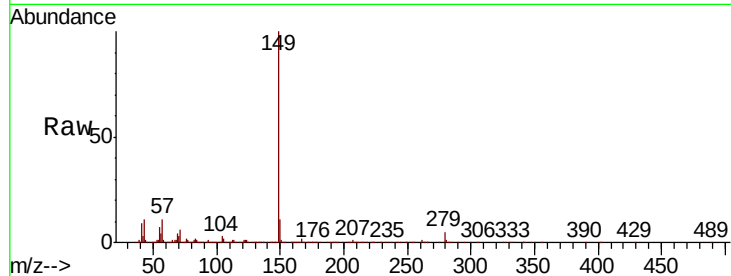
43 11.0 9.0 13.6

Manual Integrations

APPROVED

mohammad

3/16/2020 1:48:21 PM

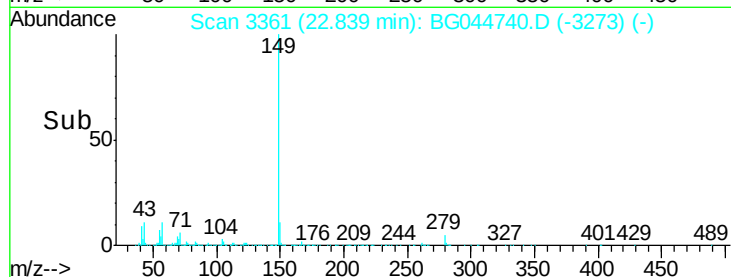


Abundance Ion 149.00 (148.70 to 149.70): E

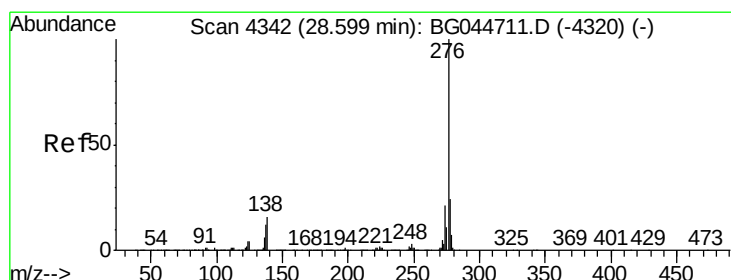
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B

Time--> 22.70 22.80 22.90



Time--> 22.70 22.80 22.90



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.174 ng

RT: 28.59 min Scan# 4339

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

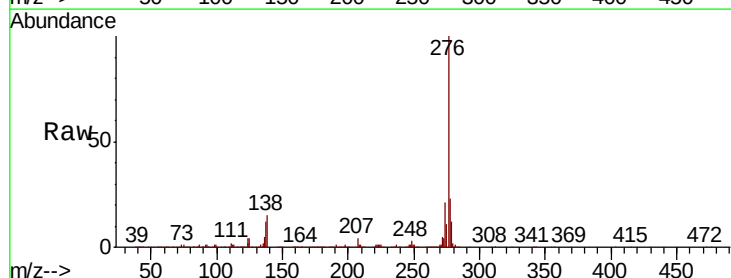
Tgt Ion:276 Resp: 2111959

Ion Ratio Lower Upper

276 100

138 14.2 10.9 16.3

277 26.0 20.8 31.2

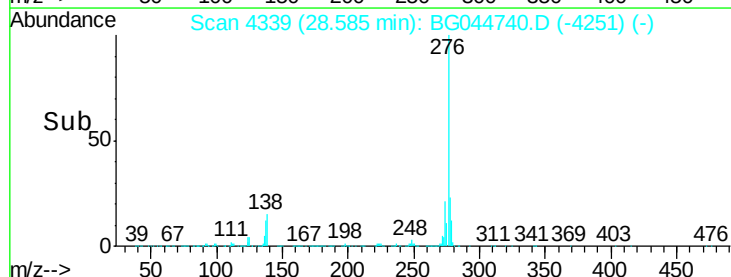


Abundance Ion 276.00 (275.70 to 276.70): E

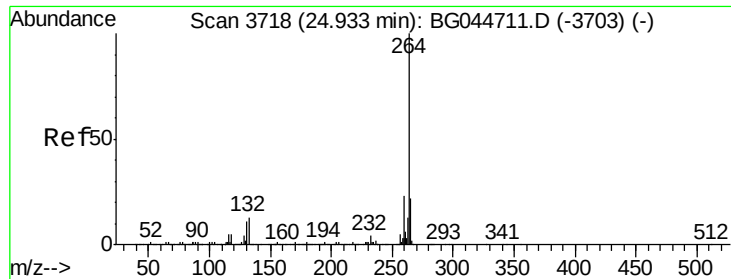
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time--> 28.40 28.60 28.80



Time--> 28.40 28.60 28.80



#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3715

Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Instrument :

BNA_G

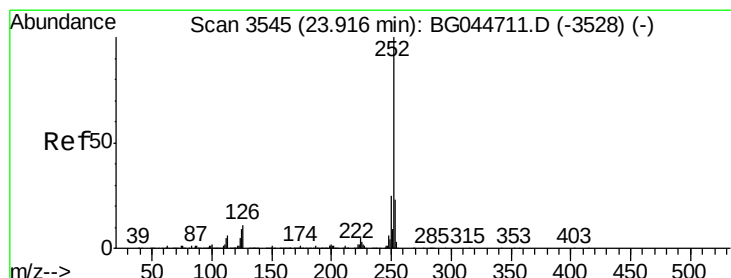
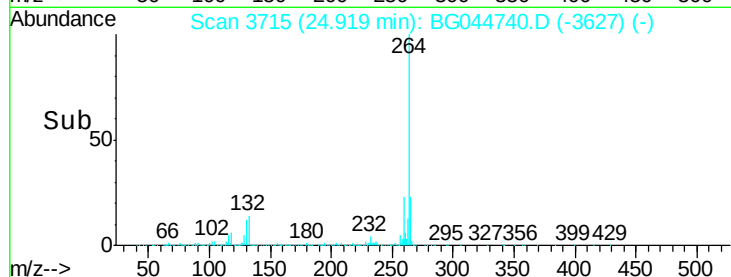
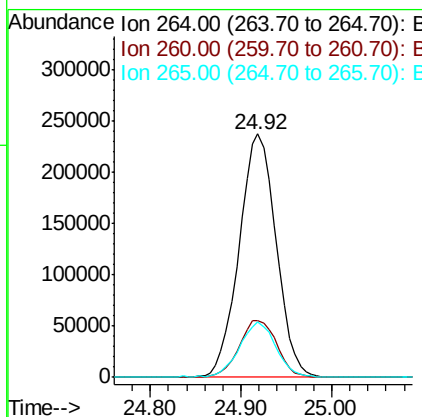
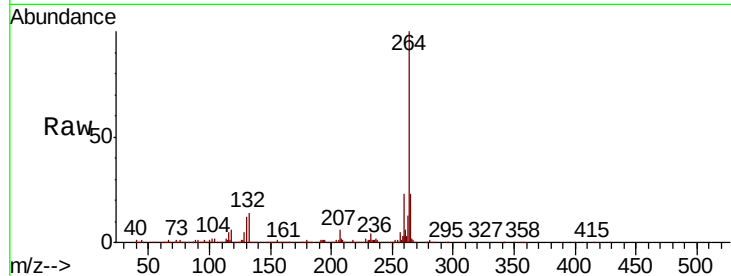
ClientSampleId :

TP-4-SAMS

Tot Ion:	264	Resp:	674399
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.4	27.6
265	22.6	17.4	26.2

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#88

Benzo(b)fluoranthene

Concen: 39.317 ng

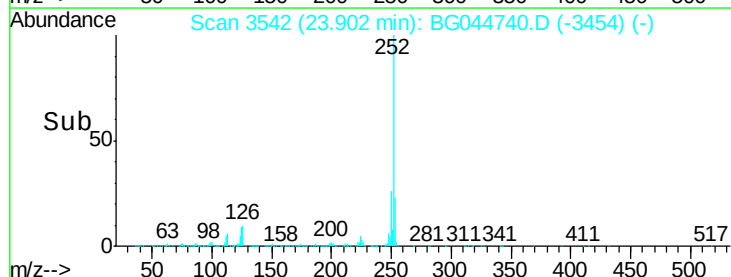
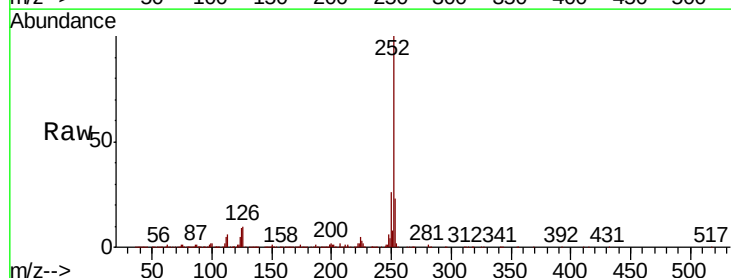
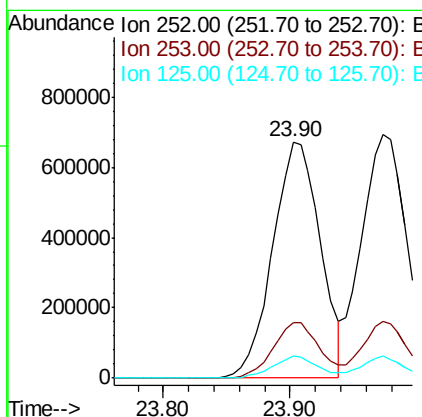
RT: 23.90 min Scan# 3542

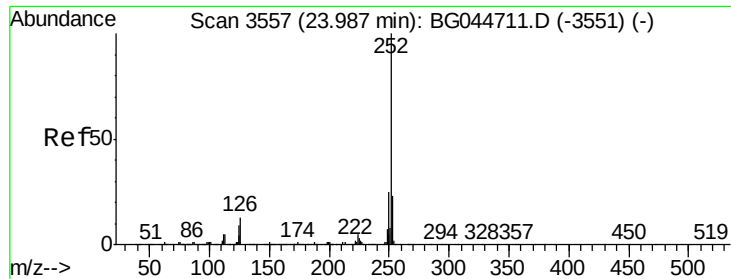
Delta R.T. -0.01 min

Lab File: BG044740.D

Acq: 12 Mar 2020 18:10

Tgt Ion:	252	Resp:	1750482
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.7	28.1
125	9.4	7.2	10.8





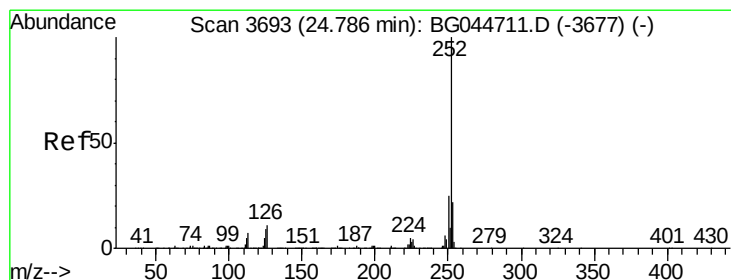
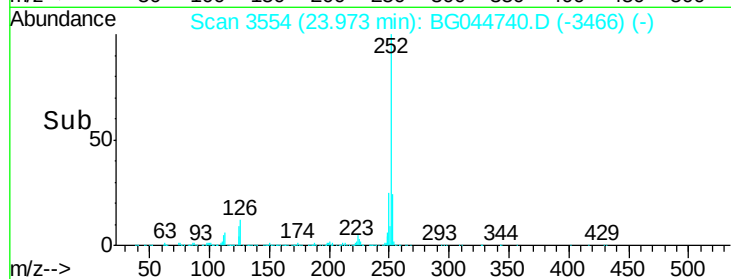
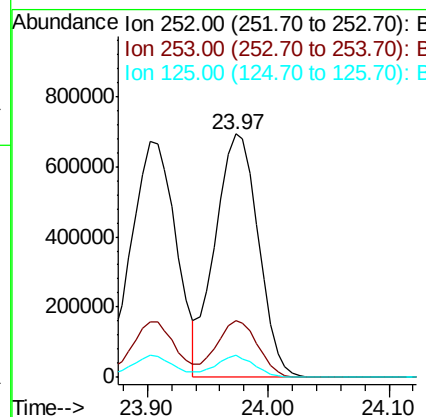
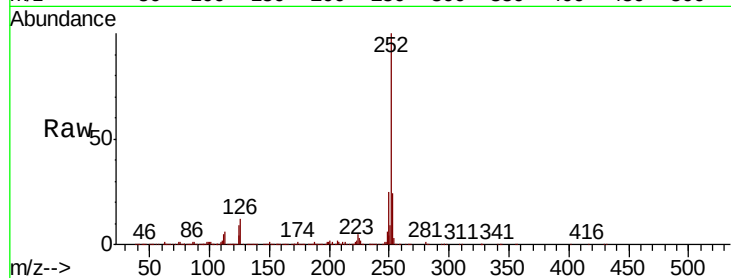
#89
Benzo(k)fluoranthene
Concen: 40.577 ng
RT: 23.97 min Scan# 3554
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	9.3	7.0	10.4

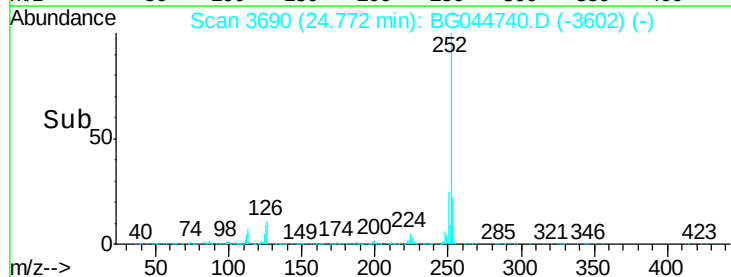
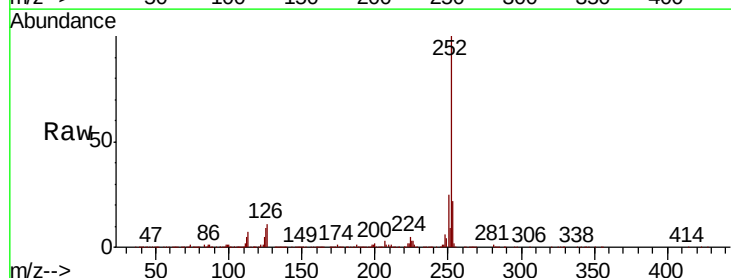
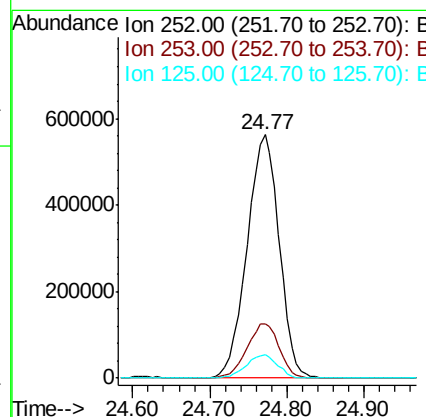
Manual Integrations
APPROVED

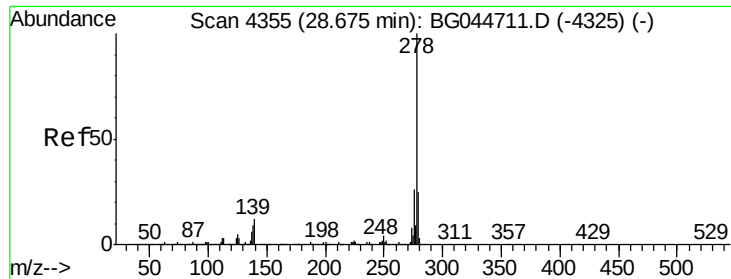
mohammad
3/16/2020 1:48:21 PM



#90
Benzo(a)pyrene
Concen: 39.334 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.5	7.0	10.6





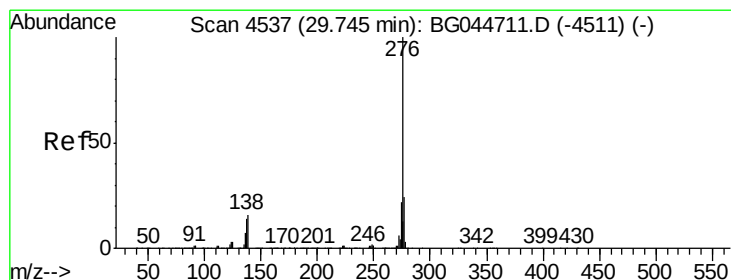
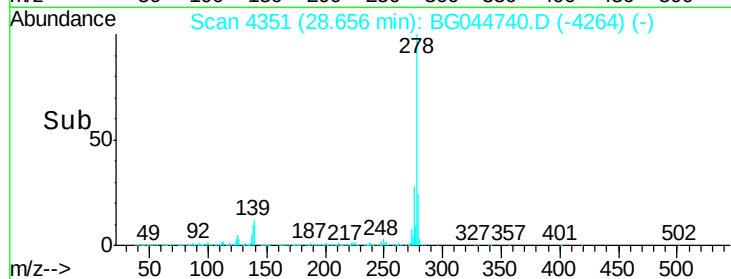
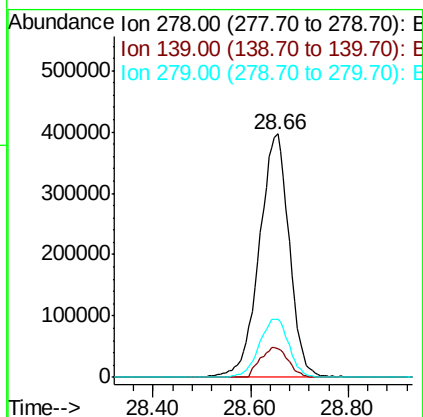
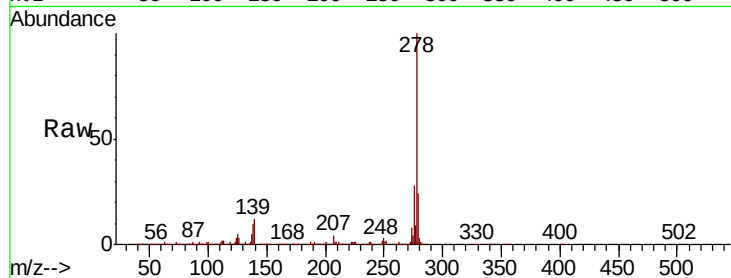
#91
Dibenzo(a,h)anthracene
Concen: 41.188 ng
RT: 28.66 min Scan# 4351
Delta R.T. -0.02 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Instrument :
BNA_G
ClientSampleId :
TP-4-SAMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.9	9.9	14.9
279	23.7	20.2	30.4

Manual Integrations
APPROVED

mohammad
3/16/2020 1:48:21 PM



#92
Benzo(g,h,i)perylene
Concen: 42.133 ng
RT: 29.72 min Scan# 4532
Delta R.T. -0.03 min
Lab File: BG044740.D
Acq: 12 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	16.0	13.0	19.4

