

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044357.D
 Acq On : 10 Feb 2020 15:24
 Operator : CG/JU
 Sample : PB126601BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:49:30 AM

Quant Time: Feb 10 16:20:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	64763	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	276992	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	196309	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	472959	20.00	ng	0.00
76) Chrysene-d12	21.53	240	447777	20.00	ng	0.00
87) Perylene-d12	24.62	264	500905	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	459766	125.29	ng	0.00
7) Phenol-d6	7.08	99	622064	126.24	ng	0.00
23) Nitrobenzene-d5	9.06	82	325894	66.42	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	284076	123.27	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	788880	67.29	ng	0.00
79) Terphenyl-d14	19.90	244	1458267	66.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	57971	35.161	ng	99
3) Pyridine	3.76	79	139500	31.758	ng	98
4) n-Nitrosodimethylamine	3.67	42	71911	39.177	ng	99
6) Aniline	7.22	93	218551	35.731	ng	98
8) 2-Chlorophenol	7.47	128	184589	45.769	ng	97
9) Benzaldehyde	7.04	77	81975	29.209	ng	96
10) Phenol	7.10	94	227961	46.744	ng	97
11) bis(2-Chloroethyl)ether	7.32	93	170054	40.787	ng	99
12) 1,3-Dichlorobenzene	7.79	146	186881	38.810	ng	99
13) 1,4-Dichlorobenzene	7.94	146	186535	39.112	ng	99
14) 1,2-Dichlorobenzene	8.26	146	178886	39.683	ng	98
15) Benzyl Alcohol	8.14	79	151622	43.461	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.43	45	216510	38.367	ng	98
17) 2-Methylphenol	8.35	107	159916	45.959	ng	98
18) Hexachloroethane	8.99	117	67878	37.928	ng	97
19) n-Nitroso-di-n-propylamine	8.71	70	133681	40.705	ng	98
20) 3+4-Methylphenols	8.68	107	219595	45.794	ng	100
22) Acetophenone	8.72	105	255240	37.879	ng	99
24) Nitrobenzene	9.10	77	190671	39.808	ng	97
25) Isophorone	9.63	82	376363	41.156	ng	99
26) 2-Nitrophenol	9.82	139	105389	42.404	ng	98
27) 2,4-Dimethylphenol	9.89	122	184199	52.503	ng	98
28) bis(2-Chloroethoxy)methane	10.11	93	239503	39.260	ng	98
29) 2,4-Dichlorophenol	10.36	162	190731	44.961	ng	98
30) 1,2,4-Trichlorobenzene	10.57	180	186283	38.296	ng	99
31) Naphthalene	10.76	128	552839	41.137	ng	99
32) Benzoic acid	10.03	122	55426	31.075	ng	91
33) 4-Chloroaniline	10.86	127	136540	22.340	ng	98
34) Hexachlorobutadiene	11.05	225	111045	37.100	ng	99
35) Caprolactam	11.63	113	72871m	46.893	ng	
36) 4-Chloro-3-methylphenol	12.00	107	201626	45.332	ng	100
37) 2-Methylnaphthalene	12.37	142	423791	42.473	ng	99
38) 1-Methylnaphthalene	12.58	142	399271	42.443	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.74	216	208352	35.481	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044357.D
 Acq On : 10 Feb 2020 15:24
 Operator : CG/JU
 Sample : PB126601BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 PB126601BS

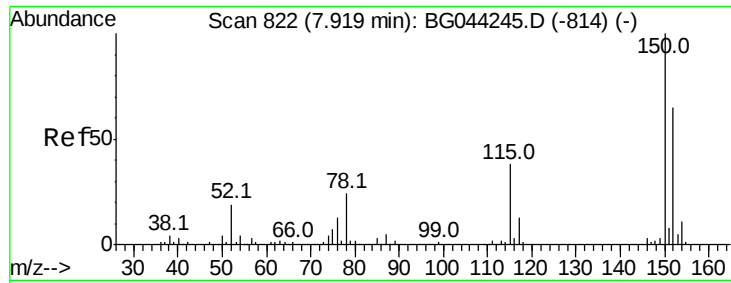
Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:49:30 AM

Quant Time: Feb 10 16:20:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.72	237	258555	91.762	ng	100
43) 2,4,6-Trichlorophenol	12.98	196	151977	40.040	ng	99
44) 2,4,5-Trichlorophenol	13.05	196	169627	43.753	ng	98
46) 1,1'-Biphenyl	13.38	154	540661	38.182	ng	98
47) 2-Chloronaphthalene	13.42	162	423657	37.599	ng	99
48) 2-Nitroaniline	13.62	65	128503	38.643	ng	99
49) Acenaphthylene	14.26	152	686393	41.532	ng	99
50) Dimethylphthalate	14.00	163	575922	40.813	ng	99
51) 2,6-Dinitrotoluene	14.11	165	130780	41.566	ng	98
52) Acenaphthene	14.60	154	420876	39.289	ng	98
53) 3-Nitroaniline	14.44	138	93038	26.728	ng	98
54) 2,4-Dinitrophenol	14.65	184	153840	82.277	ng	99
55) Dibenzofuran	14.94	168	670581	41.346	ng	98
56) 4-Nitrophenol	14.76	139	257913	101.150	ng	97
57) 2,4-Dinitrotoluene	14.90	165	189092	42.880	ng	99
58) Fluorene	15.59	166	541827	42.415	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.17	232	157239	44.902	ng	99
60) Diethylphthalate	15.37	149	597088	42.465	ng	99
61) 4-Chlorophenyl-phenylether	15.59	204	279714	40.384	ng	100
62) 4-Nitroaniline	15.61	138	141775	40.760	ng	99
63) Azobenzene	15.88	77	517221	41.971	ng	100
65) 4,6-Dinitro-2-methylphenol	15.67	198	117140	44.869	ng	96
66) n-Nitrosodiphenylamine	15.80	169	517995	39.081	ng	98
67) 4-Bromophenyl-phenylether	16.48	248	192922	37.440	ng	99
68) Hexachlorobenzene	16.60	284	210801	36.516	ng	99
69) Atrazine	16.75	200	211402	46.534	ng	100
70) Pentachlorophenol	16.95	266	240442	82.271	ng	95
71) Phenanthrene	17.33	178	934332	40.796	ng	99
72) Anthracene	17.42	178	966751	42.696	ng	98
73) Carbazole	17.69	167	890302	42.652	ng	99
74) Di-n-butylphthalate	18.26	149	1109024	42.994	ng	98
75) Fluoranthene	19.34	202	1164154	43.941	ng	100
77) Benzidine	19.52	184	582849	46.927	ng	99
78) Pyrene	19.70	202	1164695	40.502	ng	99
80) Butylbenzylphthalate	20.60	149	498072	38.007	ng	98
81) Benzo(a)anthracene	21.51	228	1113340	40.343	ng	98
82) 3,3'-Dichlorobenzidine	21.43	252	312647	29.190	ng	99
83) Chrysene	21.58	228	1060130	39.742	ng	100
84) Bis(2-ethylhexyl)phthalate	21.44	149	706890	39.190	ng	100
85) Di-n-octyl phthalate	22.60	149	1238680	39.690	ng	99
86) Indeno(1,2,3-cd)pyrene	28.11	276	1367636	39.298	ng	100
88) Benzo(b)fluoranthene	23.65	252	1170625	40.557	ng	98
89) Benzo(k)fluoranthene	23.71	252	1164382	41.390	ng	99
90) Benzo(a)pyrene	24.47	252	1090389	39.955	ng	99
91) Dibenzo(a,h)anthracene	28.18	278	1126946	41.726	ng	98
92) Benzo(g,h,i)perylene	29.20	276	1149217	42.505	ng	100

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



#1

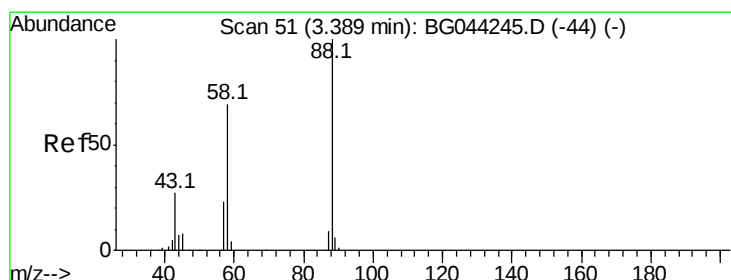
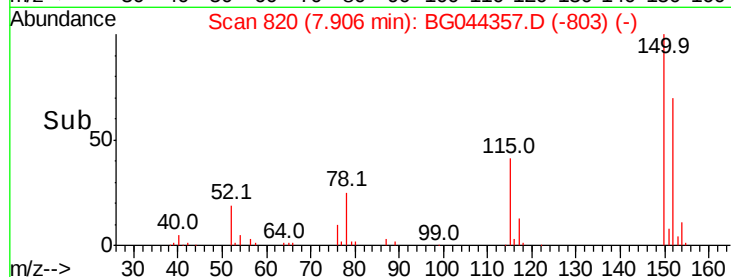
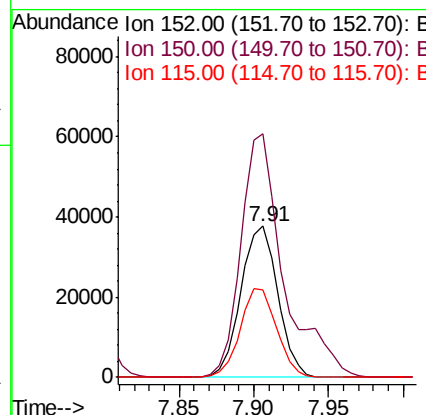
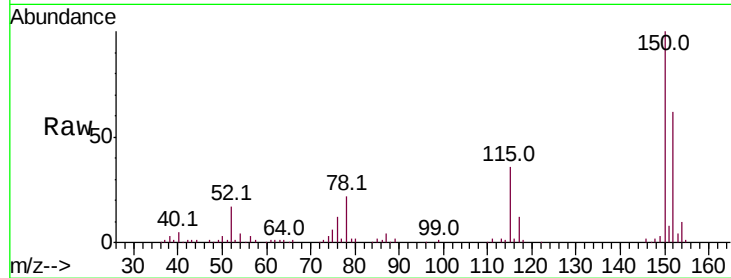
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	122.6	183.8
115	58.3	46.0	69.0

Manual Integrations
APPROVED

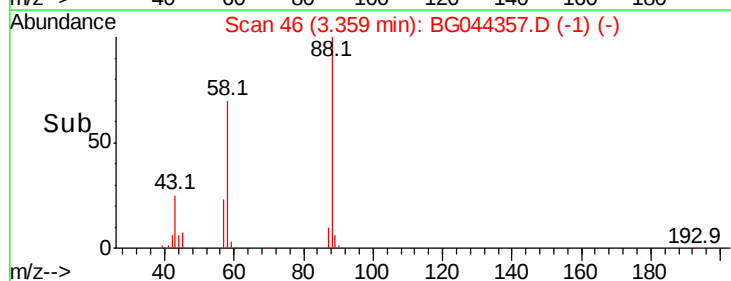
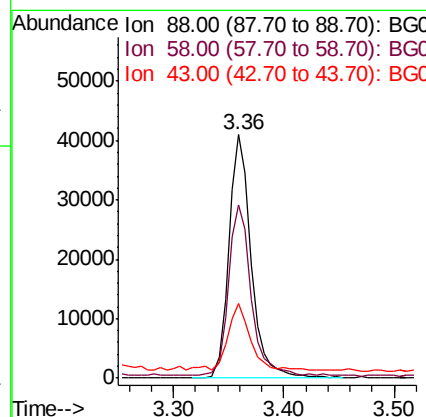
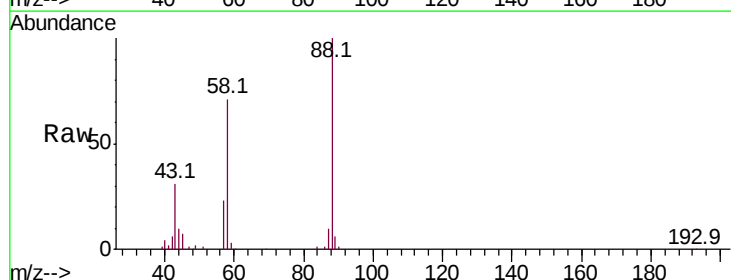
mohammad
2/12/2020 9:49:30 AM

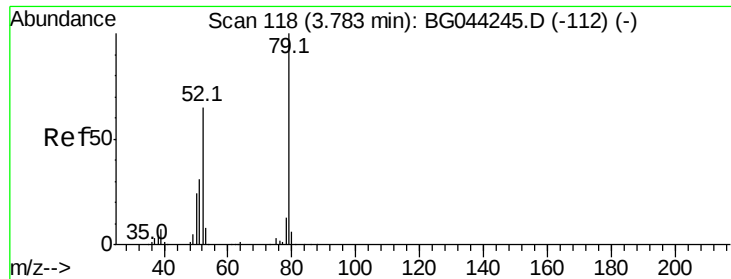


#2

1,4-Dioxane
Concen: 35.161 ng
RT: 3.36 min Scan# 46
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.6	55.8	83.6
43	28.7	21.6	32.4





#3

Pvridine

Concen: 31.758 ng

RT: 3.76 min Scan# 114

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

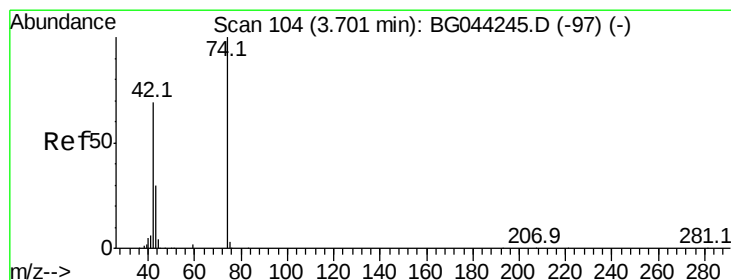
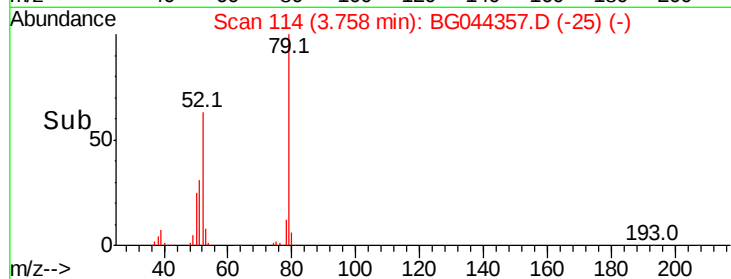
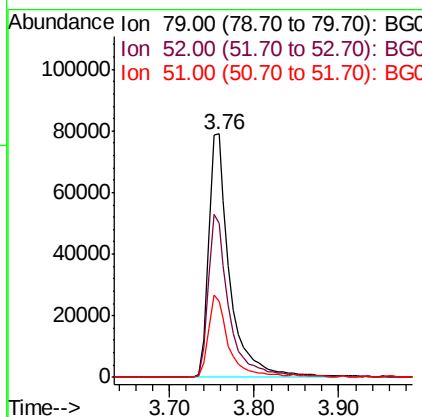
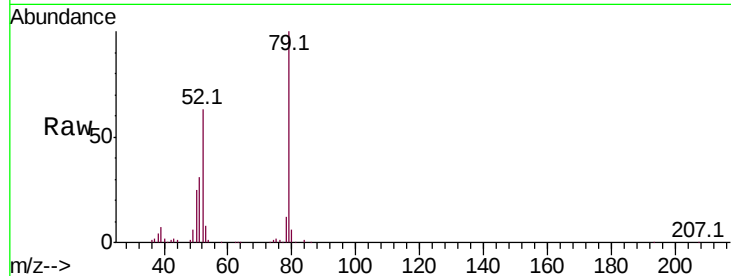
ClientSampleId :

PB126601BS

Tot Ion:	79	Resp:	139500
Ion Ratio	Lower	Upper	
79	100		
52	63.1	51.9	77.9
51	31.4	25.3	37.9

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#4

n-Nitrosodimethylamine

Concen: 39.177 ng

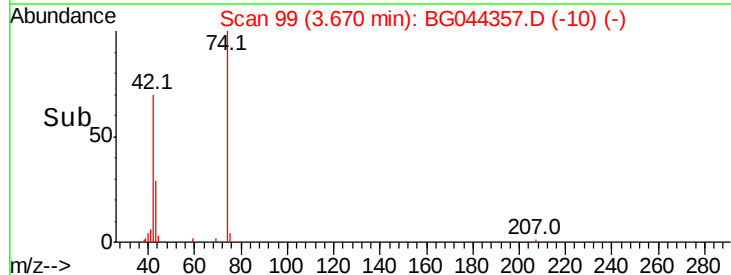
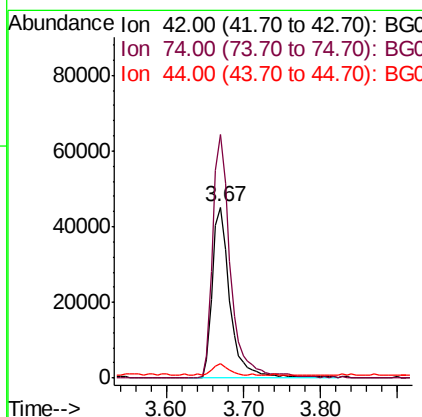
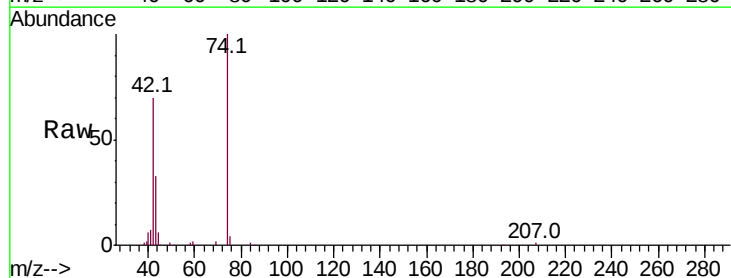
RT: 3.67 min Scan# 99

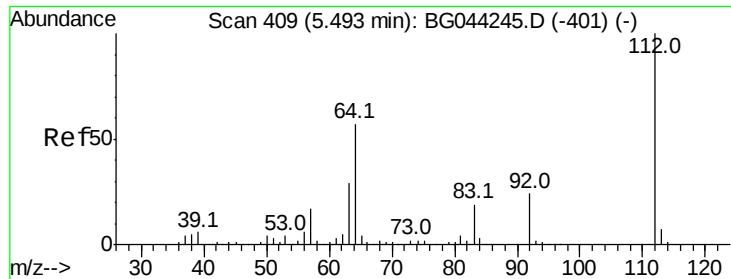
Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	42	Resp:	71911
Ion Ratio	Lower	Upper	
42	100		
74	142.2	115.1	172.7
44	8.3	5.6	8.4





#5

2-Fluorophenol

Concen: 125.290 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

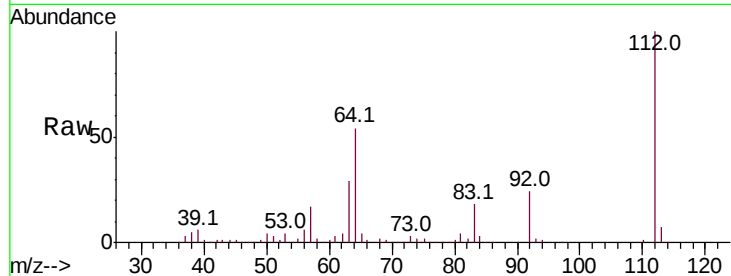
ClientSampleId :

PB126601BS

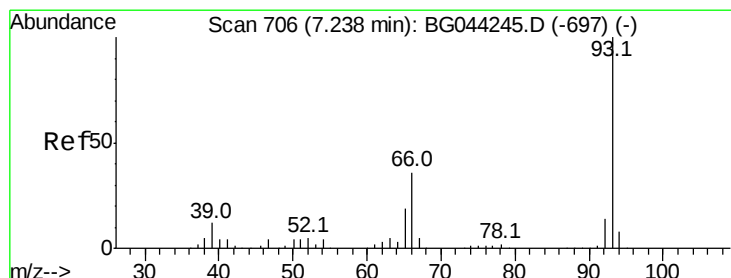
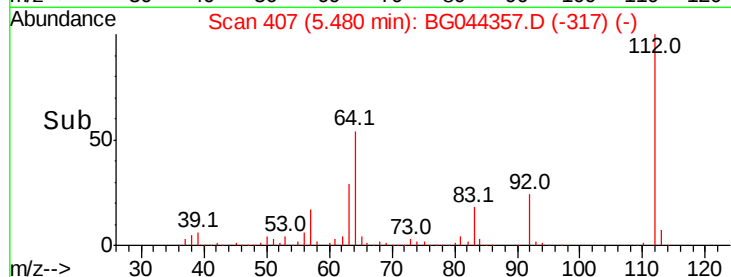
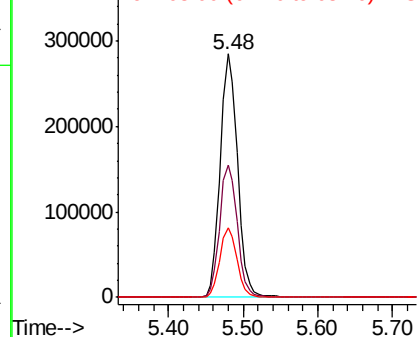
Tot Ion:	112	Resp:	459766
Ion Ratio	Lower	Upper	
112	100		
64	54.5	45.4	68.2
63	28.8	22.9	34.3

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



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



#6

Aniline

Concen: 35.731 ng

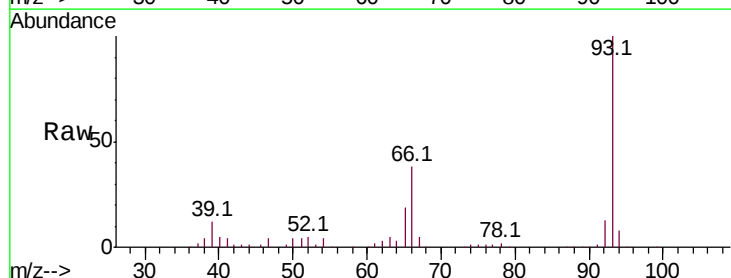
RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

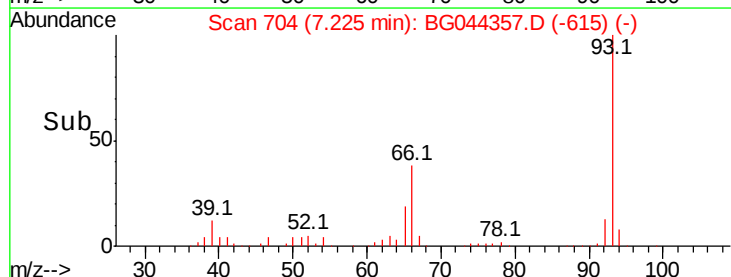
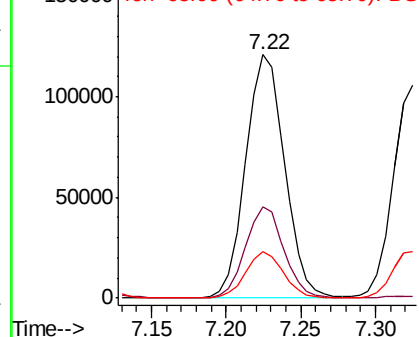
Lab File: BG044357.D

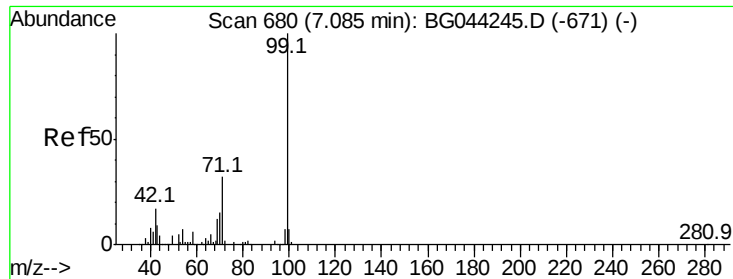
Acq: 10 Feb 2020 15:24

Tgt Ion:	93	Resp:	218551
Ion Ratio	Lower	Upper	
93	100		
66	37.6	28.7	43.1
65	18.9	15.4	23.0



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





#7

Phenol-d6

Concen: 126.237 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

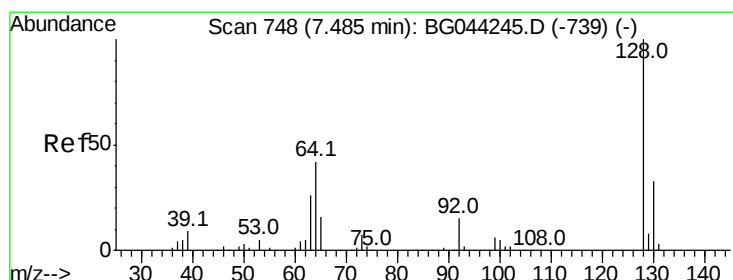
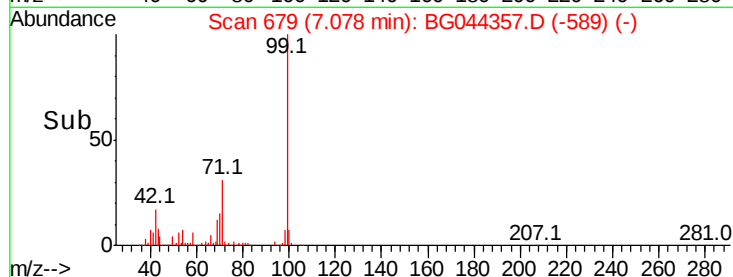
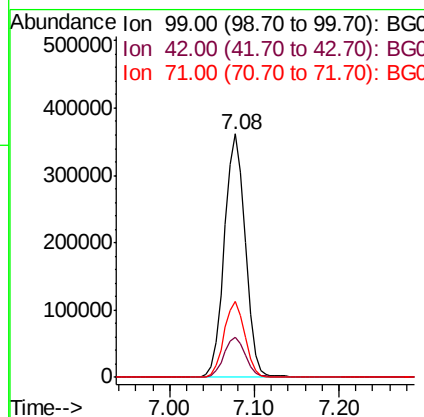
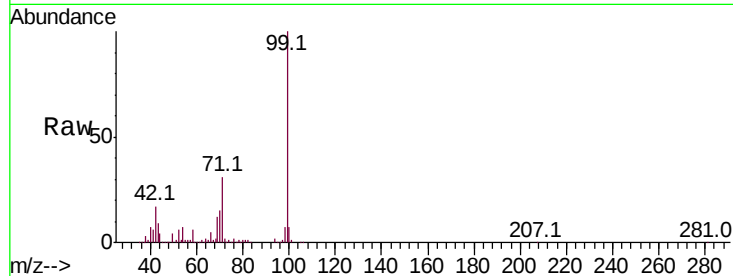
ClientSampleId :

PB126601BS

Tot Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.8	20.6
71	31.2	25.5	38.3

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#8

2-Chlorophenol

Concen: 45.769 ng

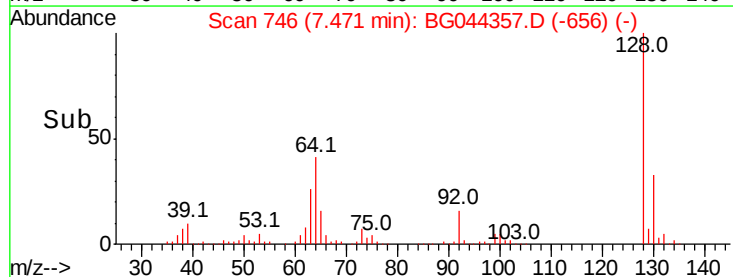
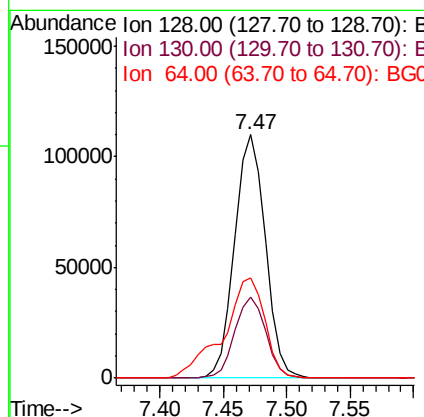
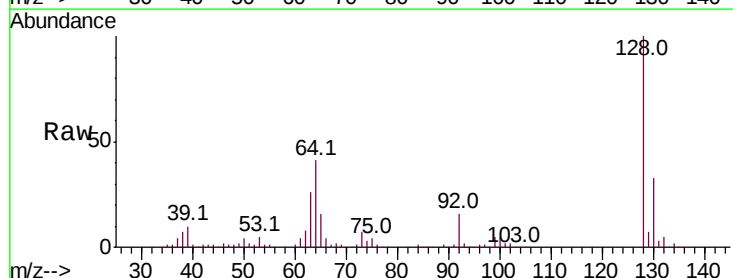
RT: 7.47 min Scan# 746

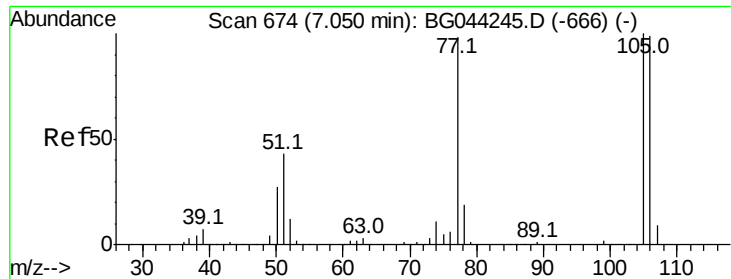
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.5	52.5
64	41.1	24.2	64.2





#9

Benzaldehyde

Concen: 29.209 ng

RT: 7.04 min Scan# 672

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

ClientSampleId :

PB126601BS

Tot Ion: 77 Resp: 81975

Ion Ratio Lower Upper

77 100

105 108.4 82.0 122.0

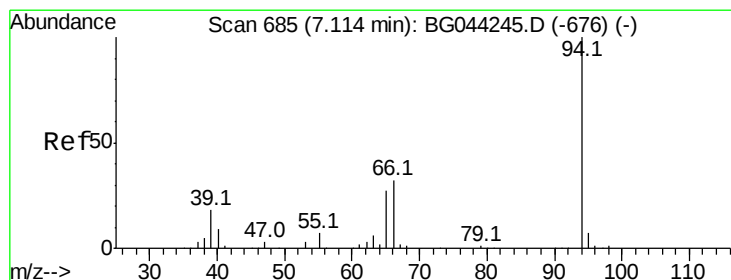
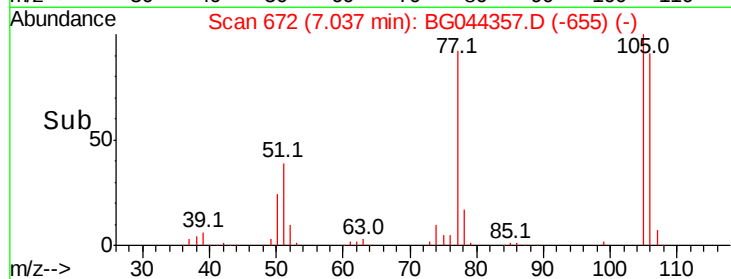
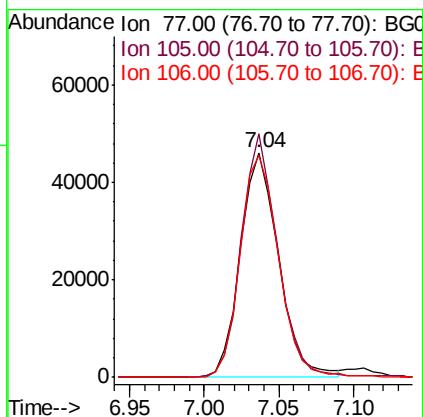
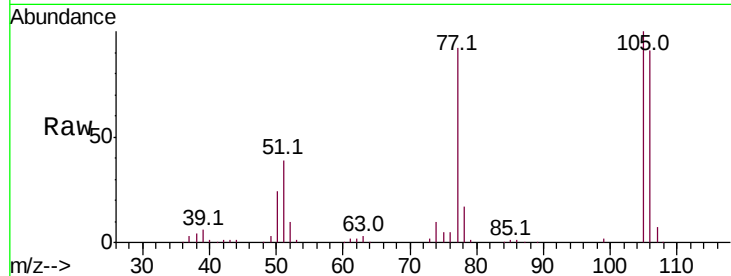
106 98.7 80.7 120.7

Manual Integrations

APPROVED

mohammad

2/12/2020 9:49:30 AM



#10

Phenol

Concen: 46.744 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

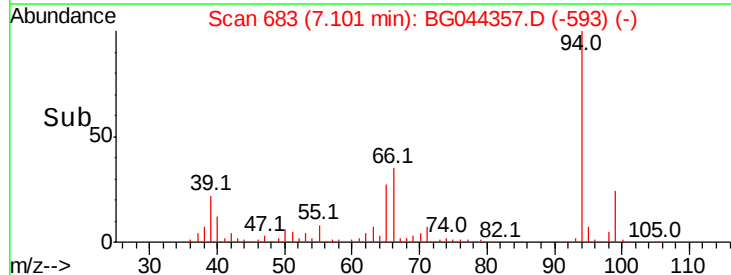
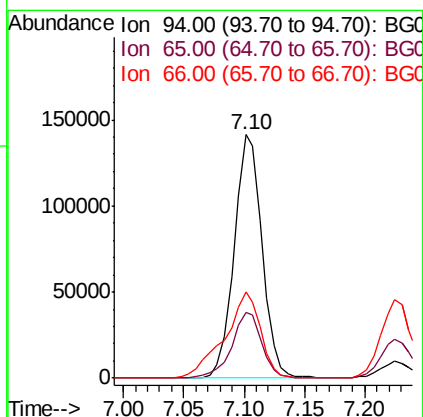
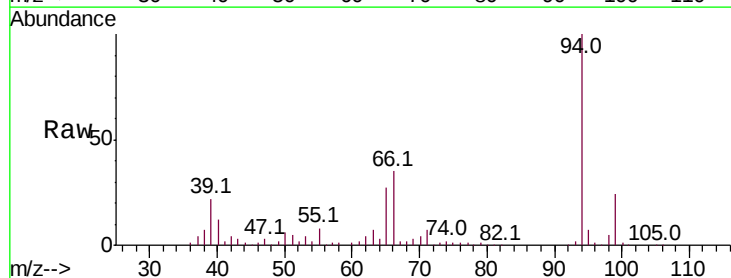
Tgt Ion: 94 Resp: 227961

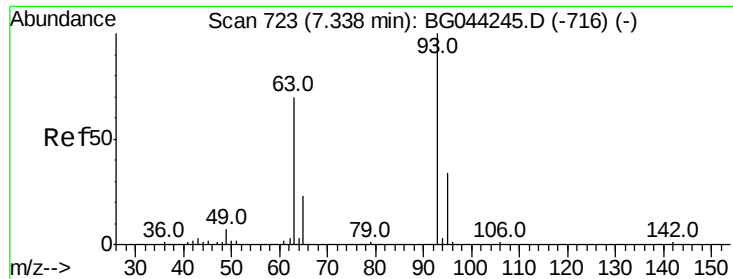
Ion Ratio Lower Upper

94 100

65 27.0 7.0 47.0

66 35.3 12.7 52.7





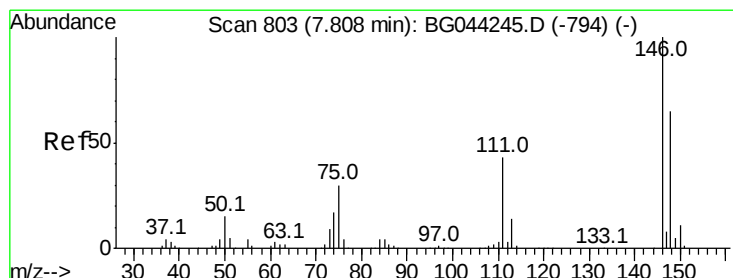
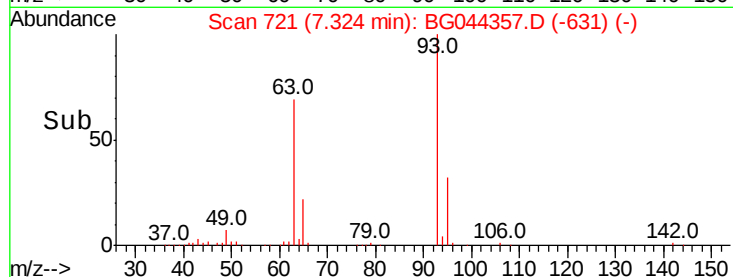
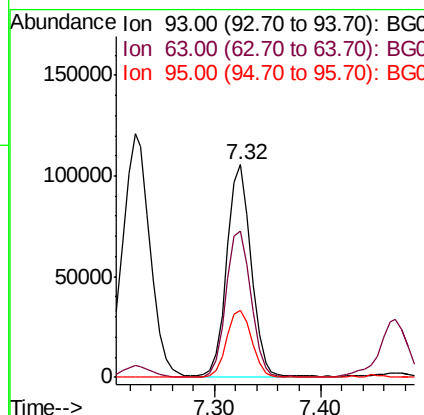
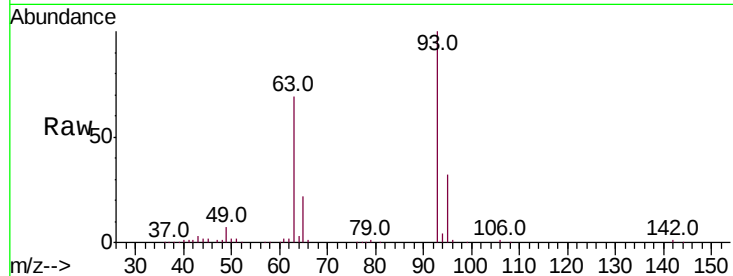
#11
bis(2-Chloroethyl)ether
Concen: 40.787 ng
RT: 7.32 min Scan# 721
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.8	49.2	89.2
95	31.7	13.6	53.6

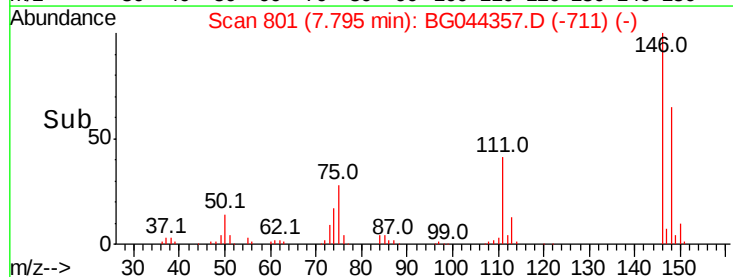
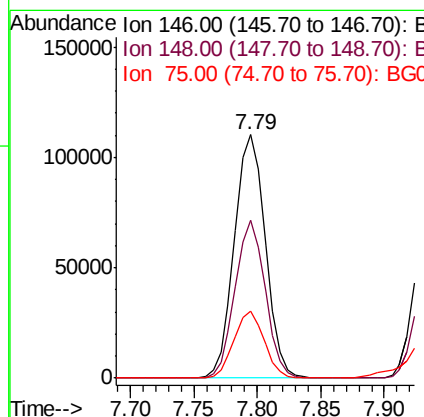
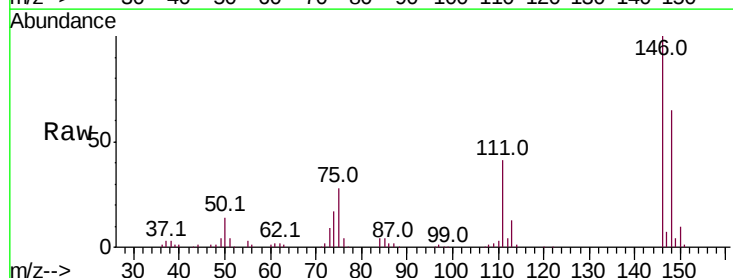
Manual Integrations
APPROVED

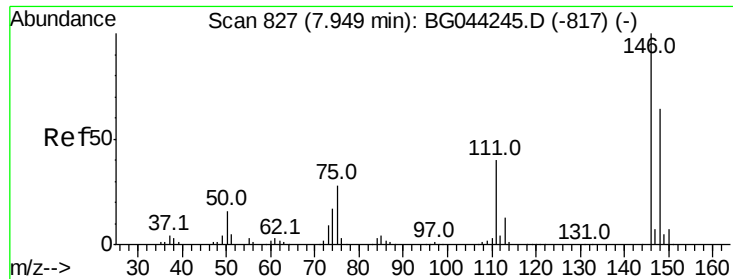
mohammad
2/12/2020 9:49:30 AM



#12
1,3-Dichlorobenzene
Concen: 38.810 ng
RT: 7.79 min Scan# 801
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
75	27.6	23.7	35.5





#13

1,4-Dichlorobenzene

Concen: 39.112 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

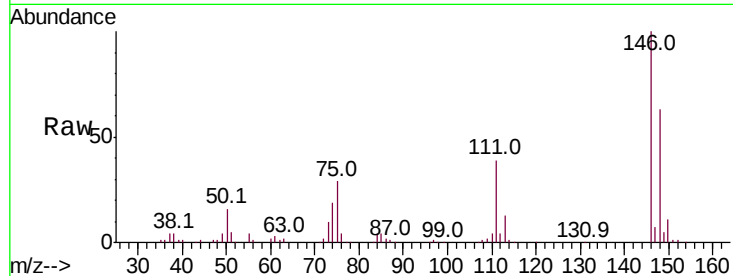
ClientSampleId :

PB126601BS

Tot Ion:	146	Resp:	186535
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.4	77.0
111	39.2	31.8	47.8

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM

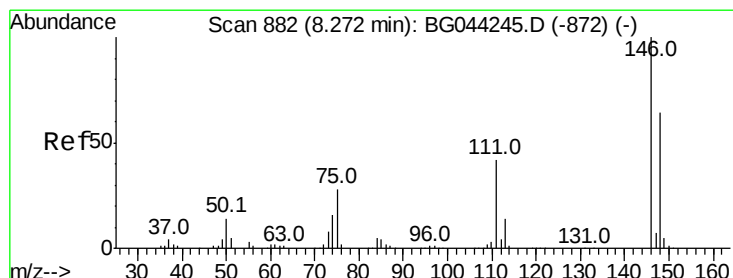
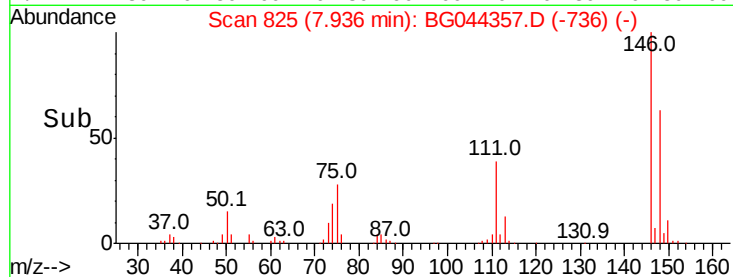
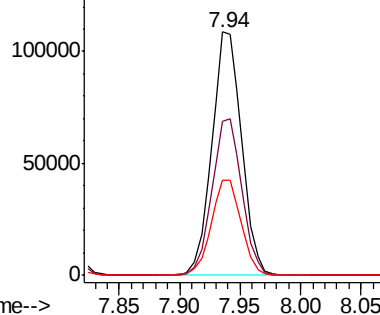


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.683 ng

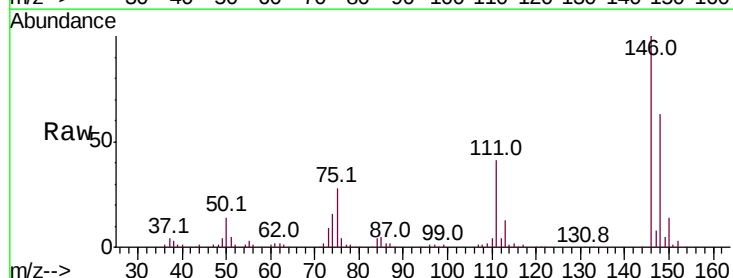
RT: 8.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	146	Resp:	178886
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.2	76.8
111	41.4	34.0	51.0

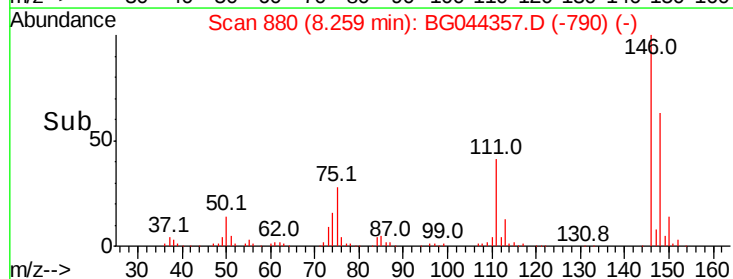
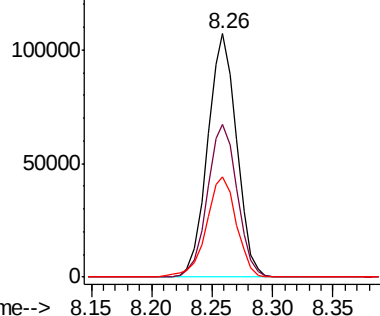


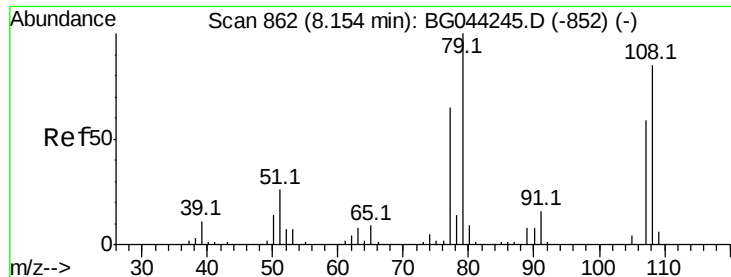
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





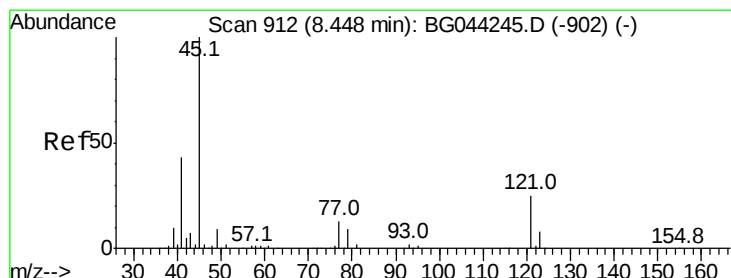
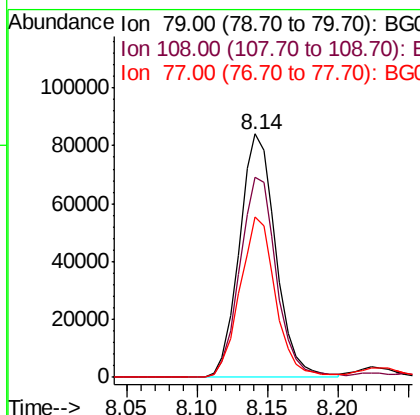
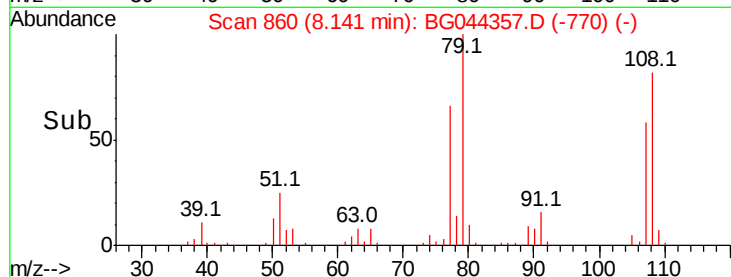
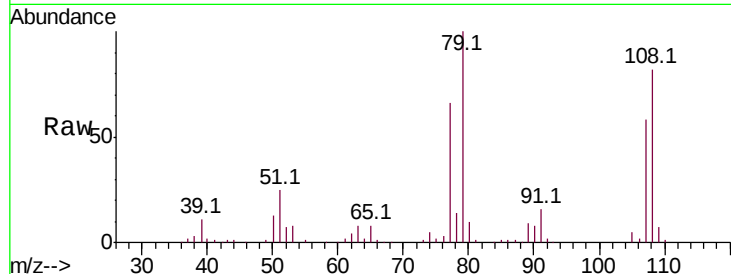
#15
Benzyl Alcohol
Concen: 43.461 ng
RT: 8.14 min Scan# 860
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	82.3	68.3	102.5
77	65.9	51.8	77.8

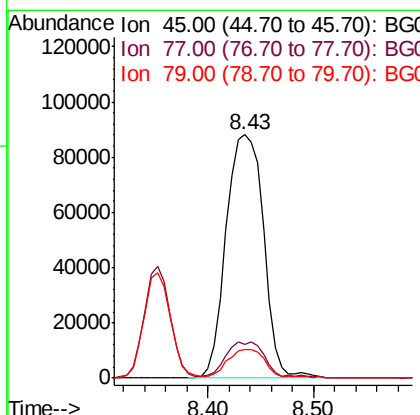
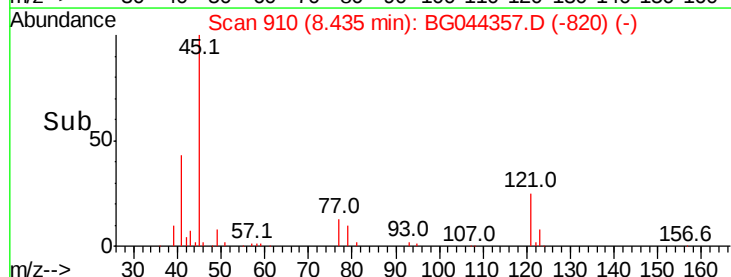
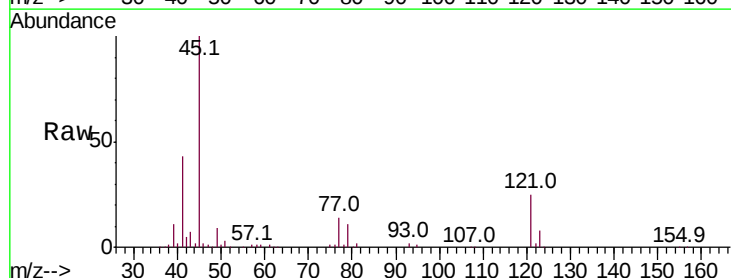
Manual Integrations
APPROVED

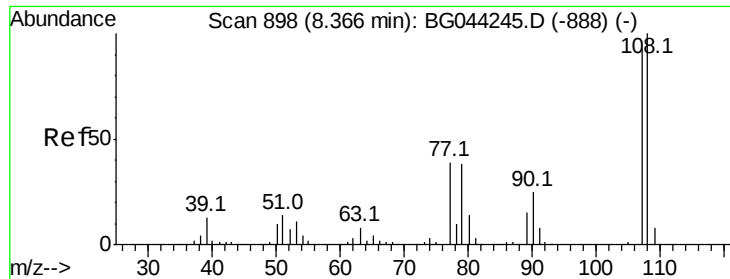
mohammad
2/12/2020 9:49:30 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.367 ng
RT: 8.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	35.2
79	11.5	0.0	31.1





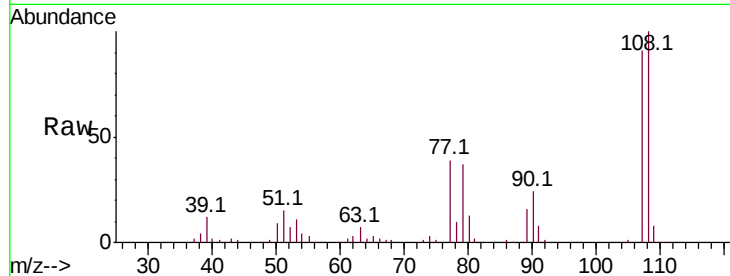
#17
2-Methylphenol
Concen: 45.959 ng
RT: 8.35 min Scan# 896
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	159916		
108	110.3	86.4	129.6	
77	42.7	34.0	51.0	
79	40.3	32.9	49.3	

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



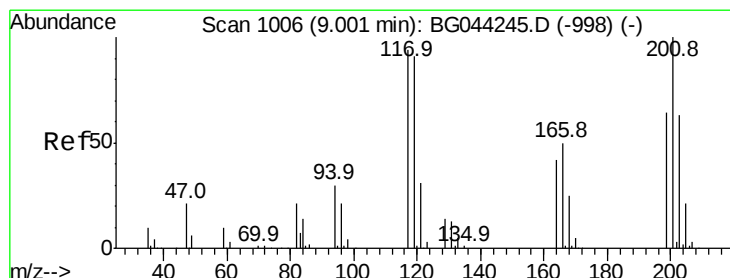
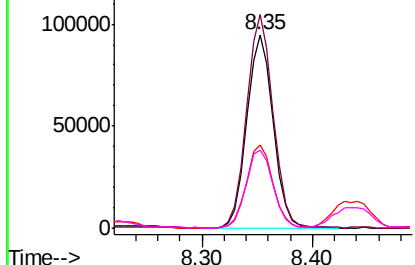
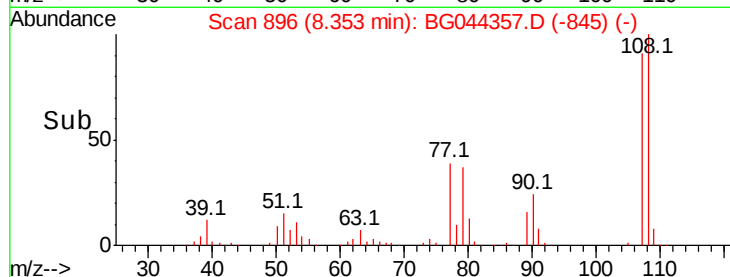
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

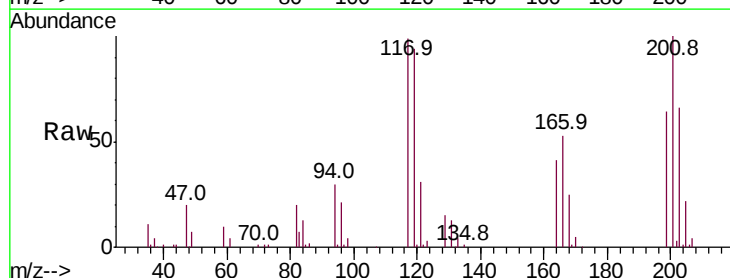
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 37.928 ng
RT: 8.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67878		
119	94.8	77.5	116.3	
201	101.4	84.9	127.3	

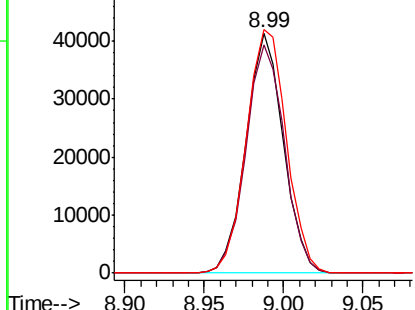
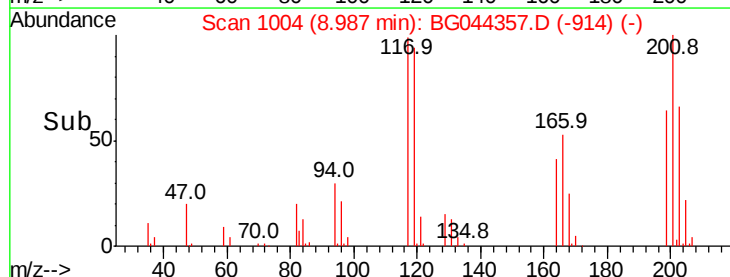


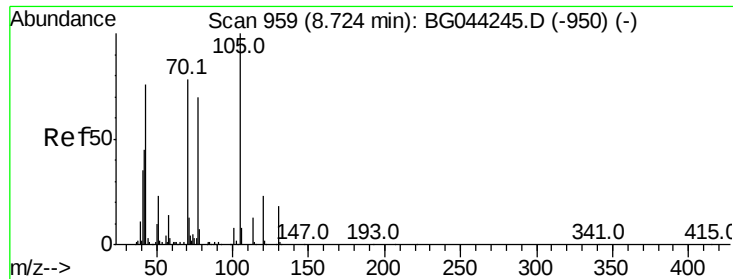
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





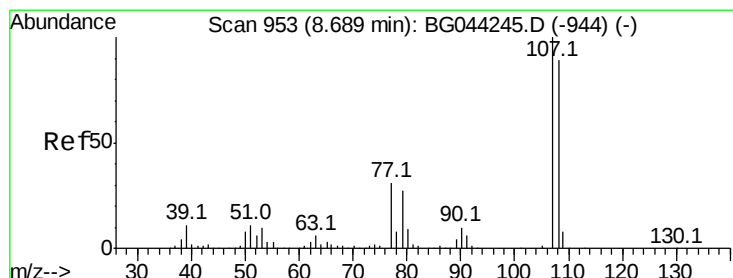
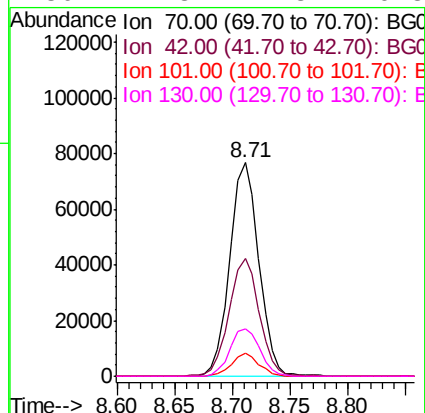
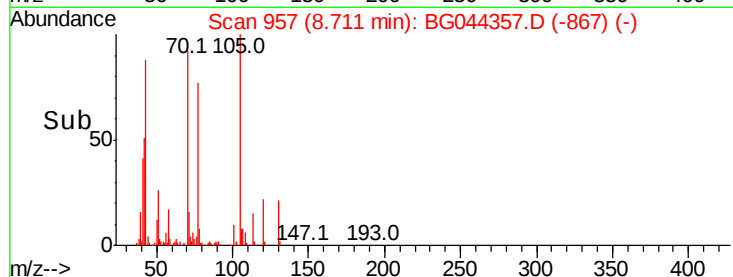
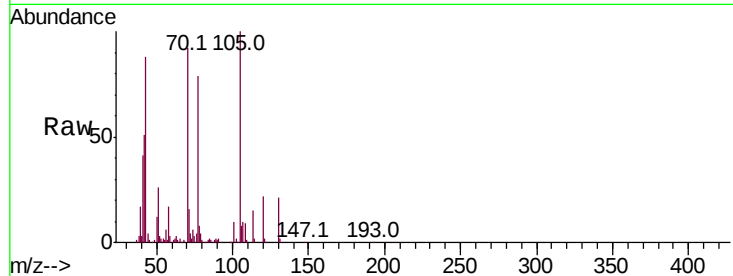
#19
n-Nitroso-di-n-propylamine
Concen: 40.705 ng
RT: 8.71 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	55.2	46.2	69.2		
101	10.6	8.4	12.6		
130	22.3	17.8	26.8		

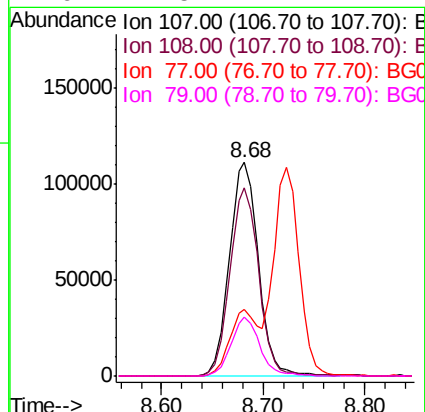
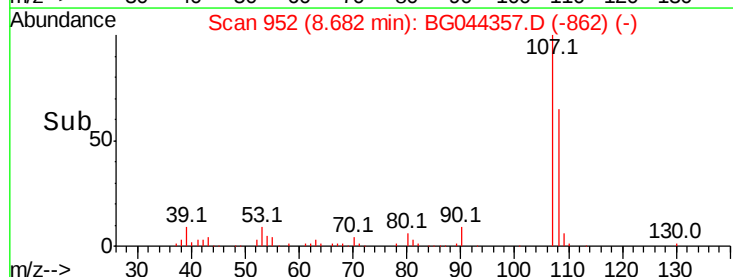
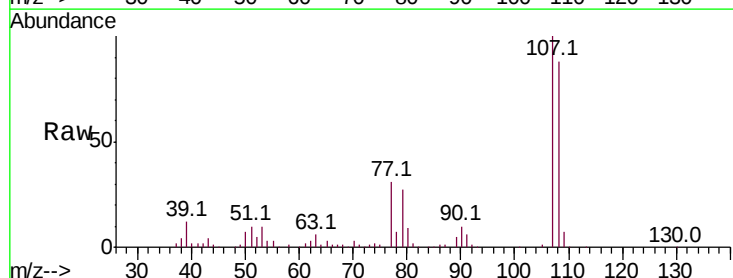
Manual Integrations
APPROVED

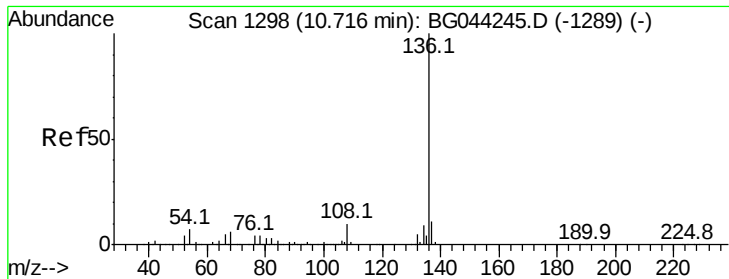
mohammad
2/12/2020 9:49:30 AM



#20
3+4-Methylphenols
Concen: 45.794 ng
RT: 8.68 min Scan# 952
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.4	68.5	108.5		
77	31.1	10.9	50.9		
79	27.5	7.1	47.1		





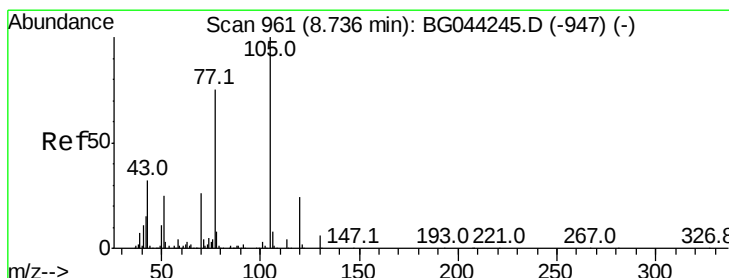
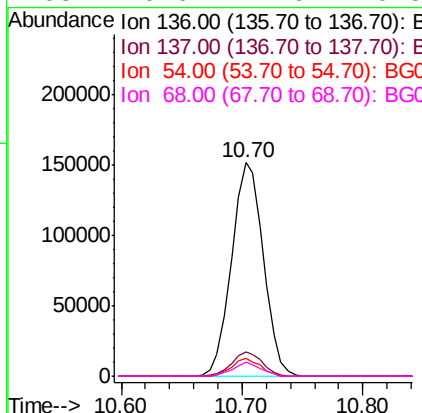
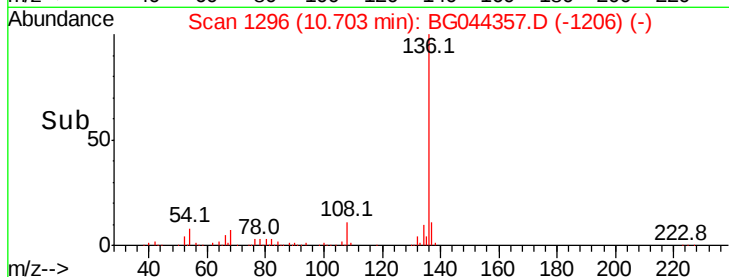
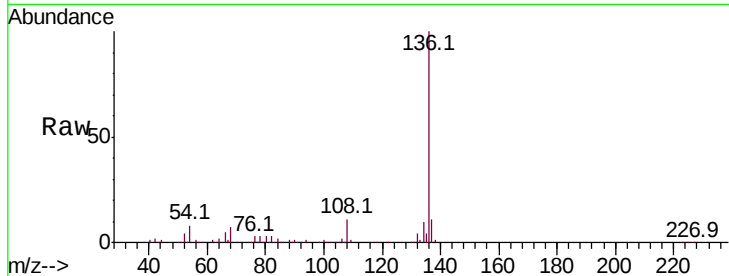
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	276992		
137	11.4		8.8	13.2
54	8.2		5.8	8.8
68	6.6		4.6	6.8

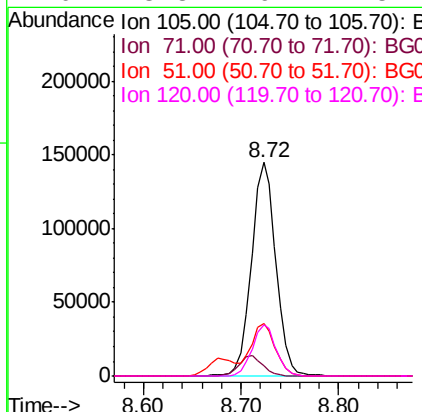
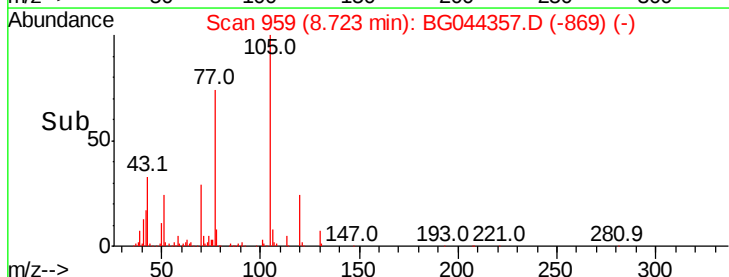
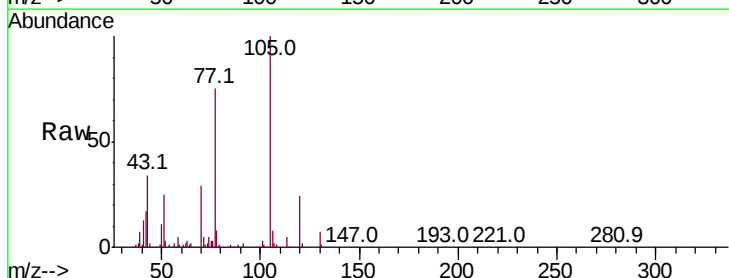
Manual Integrations
APPROVED

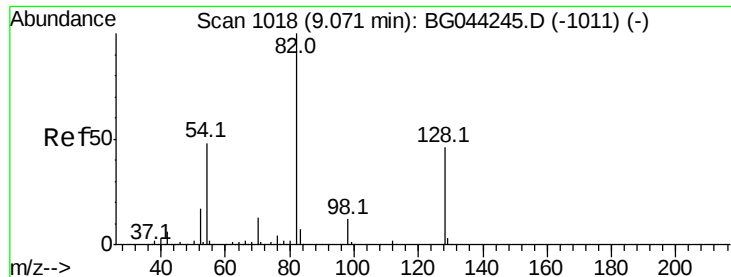
mohammad
2/12/2020 9:49:30 AM



#22
Acetophenone
Concen: 37.879 ng
RT: 8.72 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	255240		
71	4.8		3.4	5.0
51	24.7		20.2	30.4
120	23.8		19.1	28.7





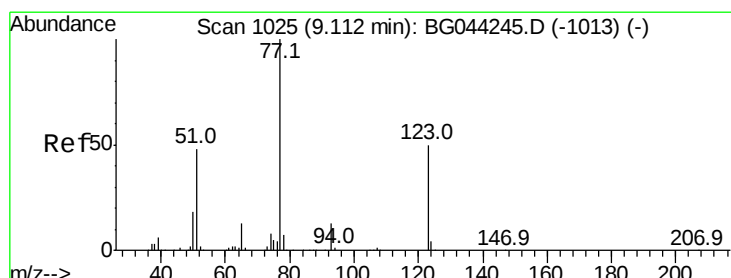
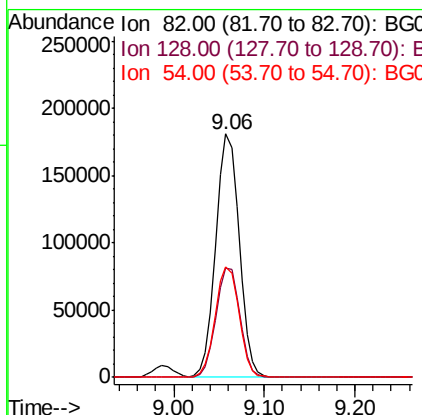
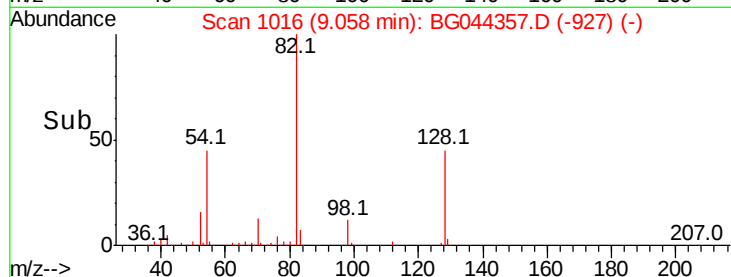
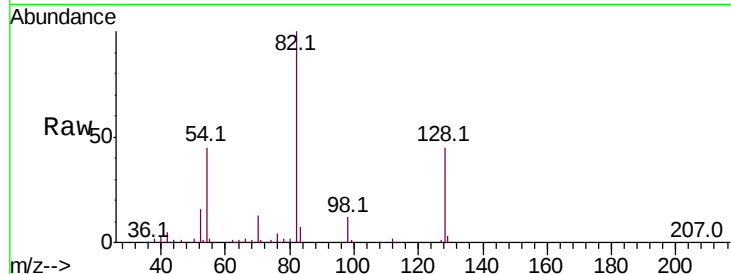
#23
Nitrobenzene-d5
Concen: 66.423 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.5	54.7
54	45.2	38.6	58.0

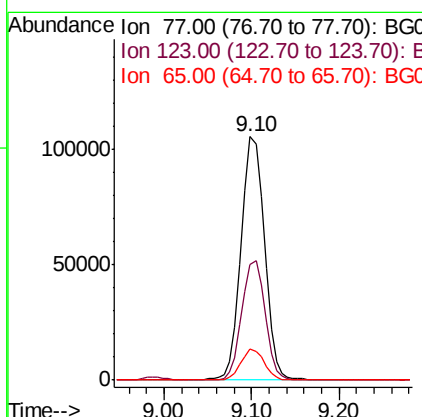
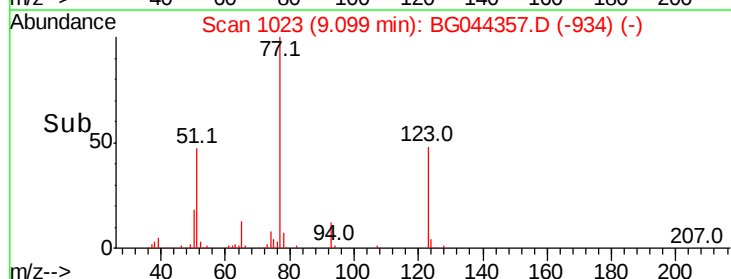
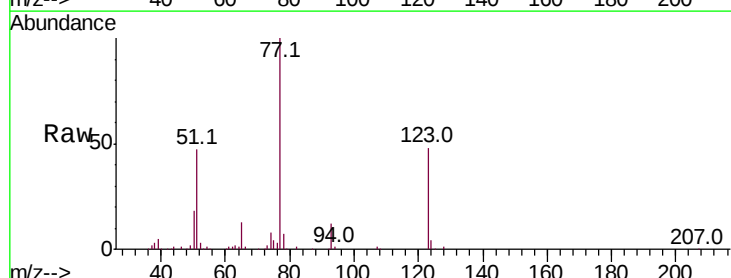
Manual Integrations
APPROVED

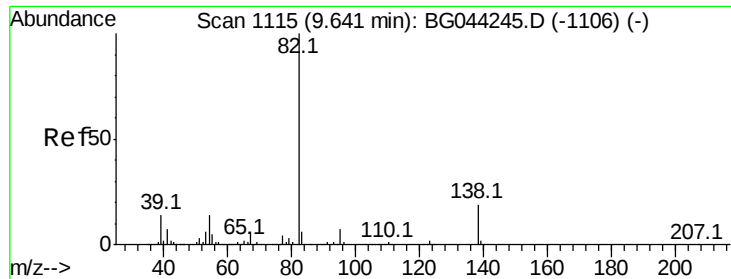
mohammad
2/12/2020 9:49:30 AM



#24
Nitrobenzene
Concen: 39.808 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.7	39.9	59.9
65	12.9	10.4	15.6





#25

Isophorone

Concen: 41.156 ng

RT: 9.63 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

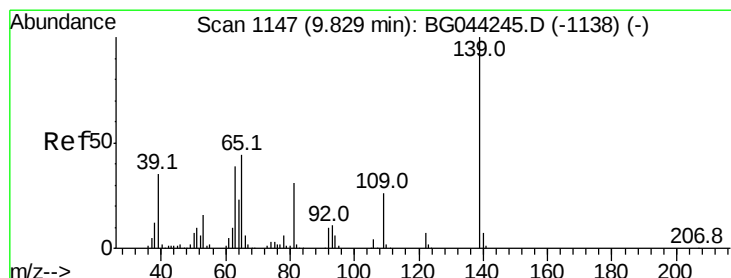
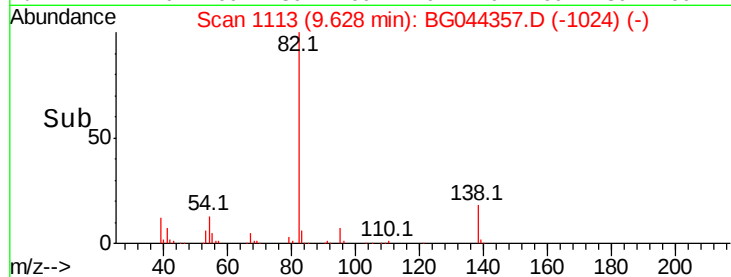
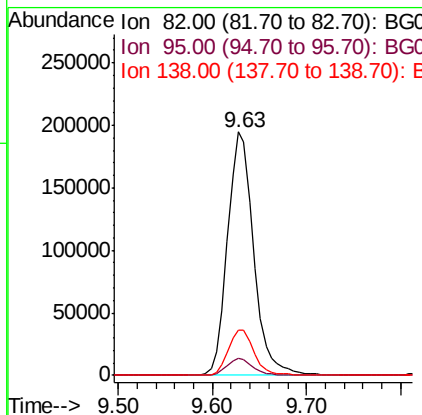
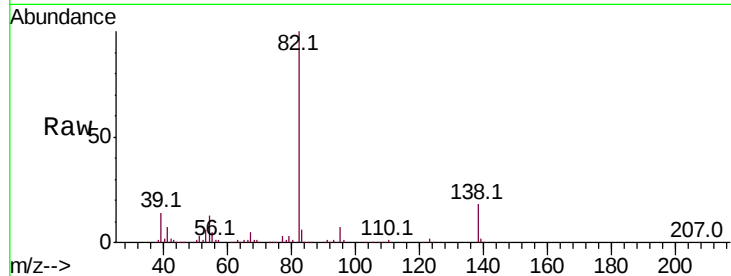
ClientSampleId :

PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	7.1	5.7	8.5	
138	18.3	15.0	22.4	

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#26

2-Nitrophenol

Concen: 42.404 ng

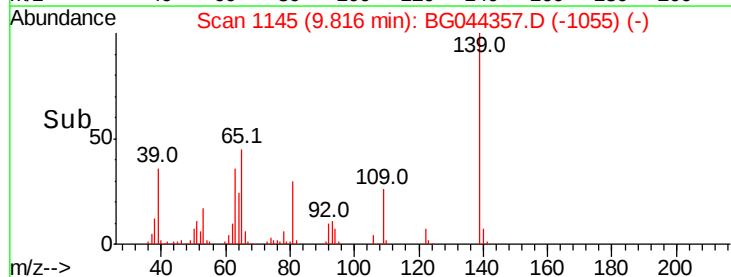
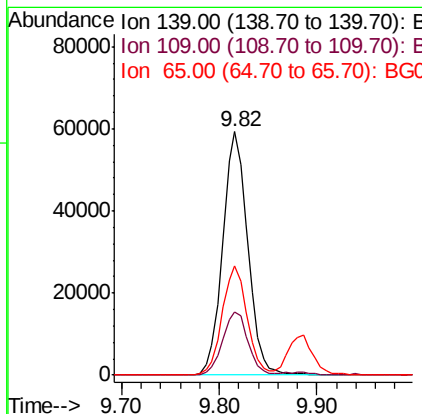
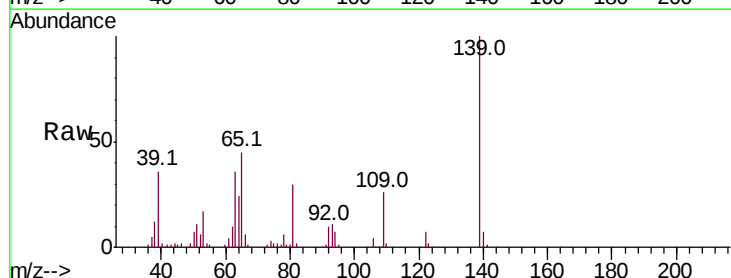
RT: 9.82 min Scan# 1145

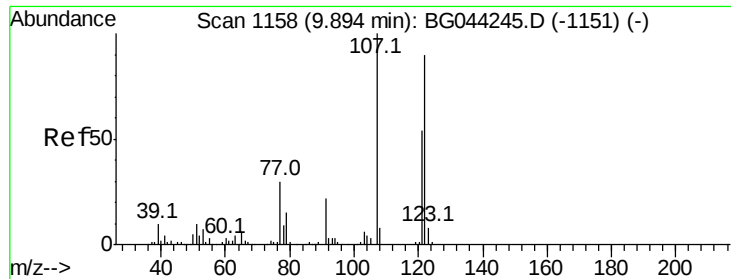
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	25.8	21.0	31.4	
65	45.0	35.0	52.4	





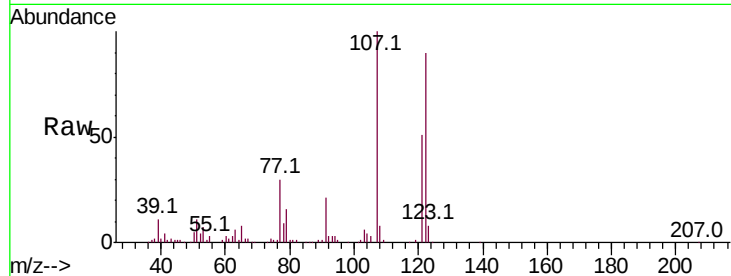
#27
2,4-Dimethylphenol
Concen: 52.503 ng
RT: 9.89 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	184199		
107	111.7	88.8	133.2	
121	57.2	48.3	72.5	

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM

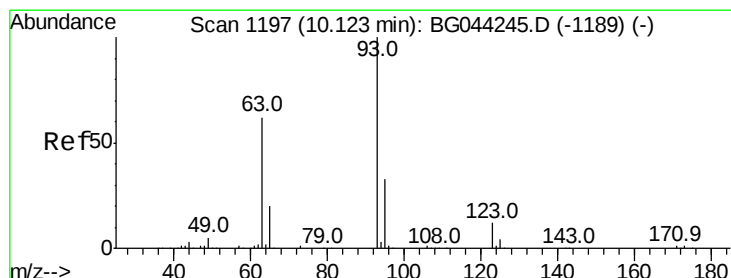
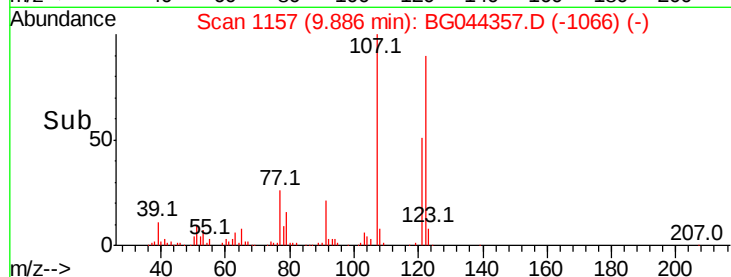
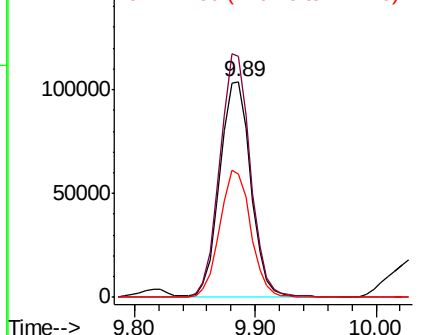


Abundance

Ion 122.00 (121.70 to 122.70): E

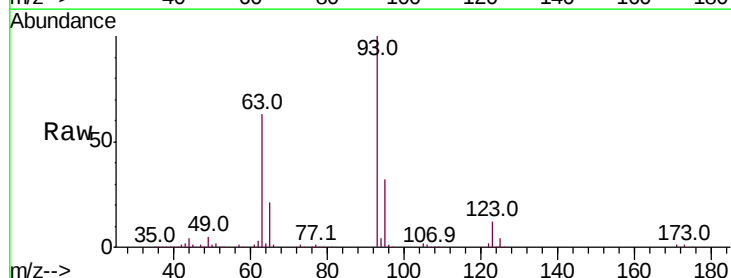
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 39.260 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	239503		
95	32.3	26.6	40.0	
123	11.8	10.0	15.0	

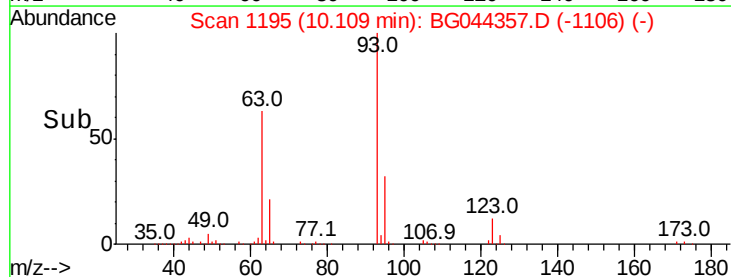
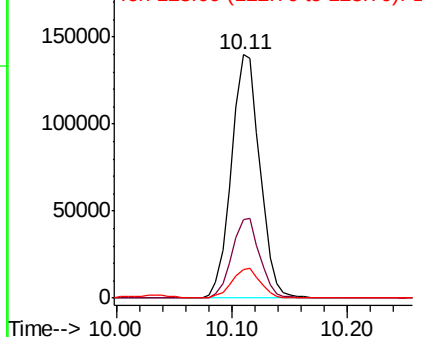


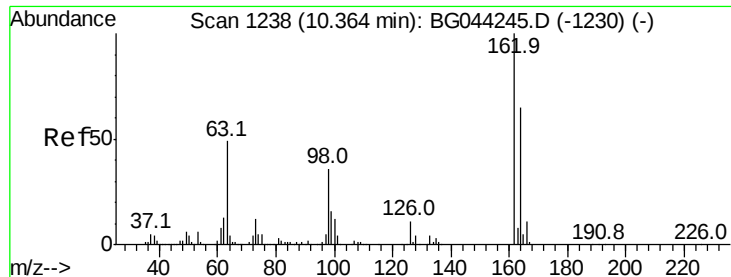
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





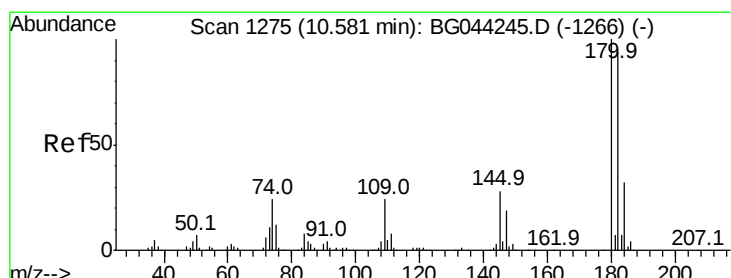
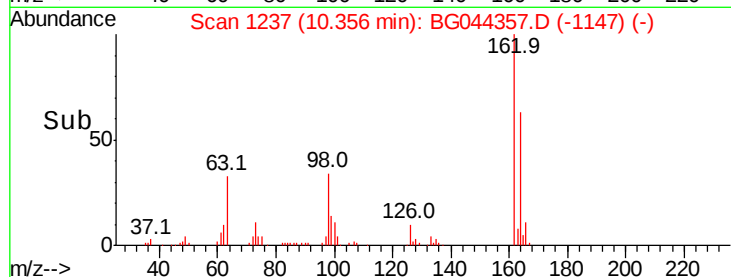
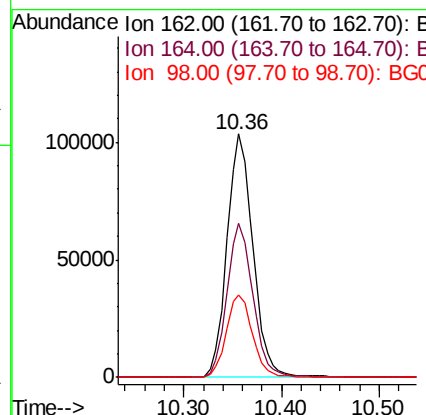
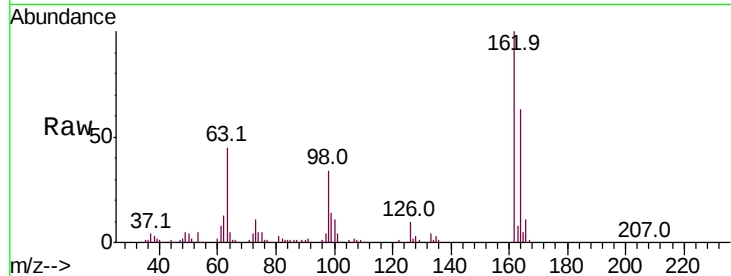
#29
 2,4-Dichlorophenol
 Concen: 44.961 ng
 RT: 10.36 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	190731		
164	63.1	44.7	84.7	
98	34.0	15.8	55.8	

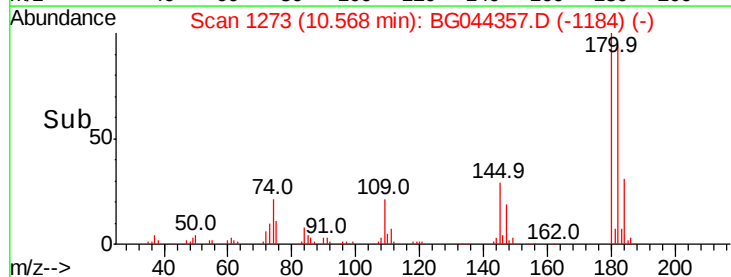
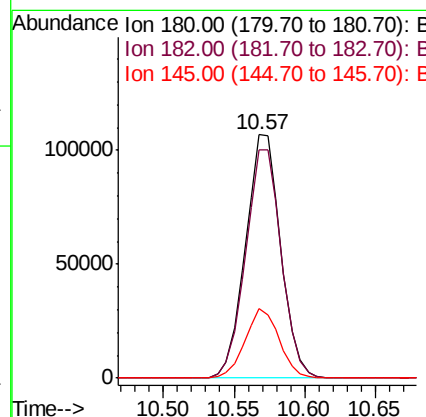
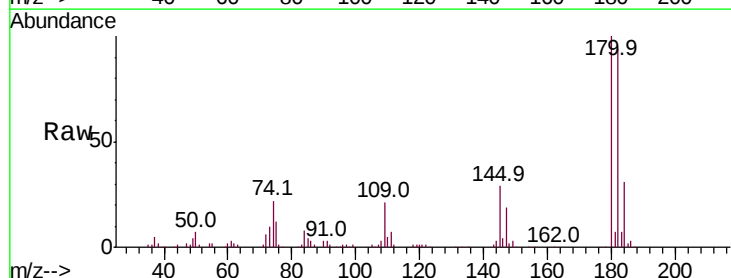
Manual Integrations
 APPROVED

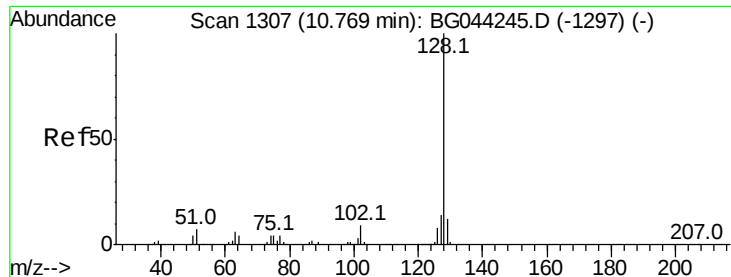
mohammad
 2/12/2020 9:49:30 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.296 ng
 RT: 10.57 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186283		
182	93.9	75.5	113.3	
145	28.7	22.6	34.0	





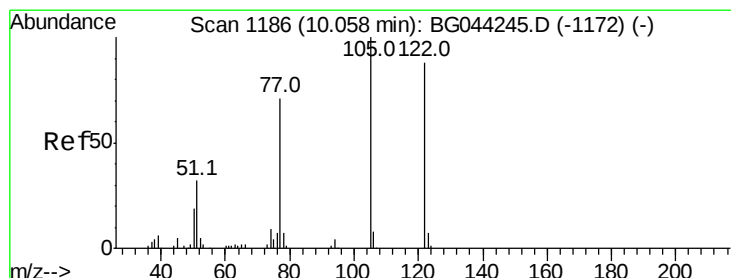
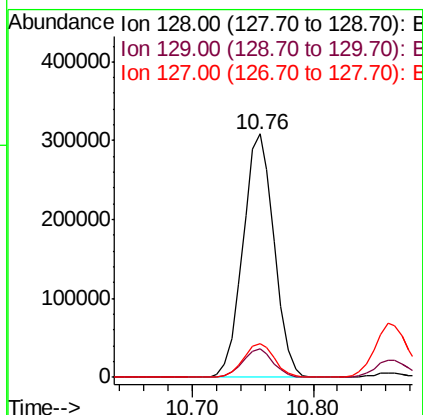
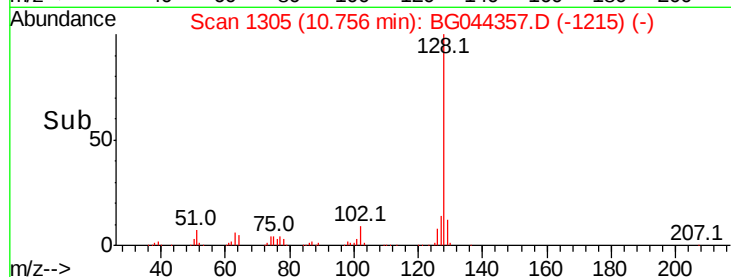
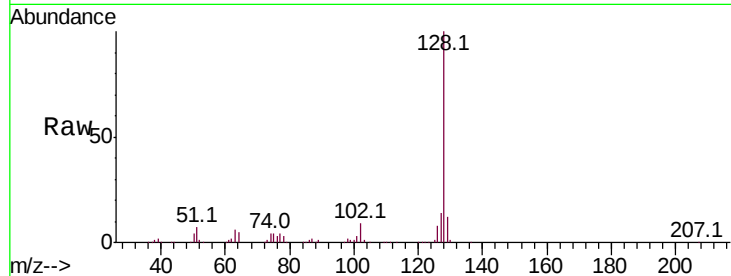
#31
Naphthalene
Concen: 41.137 ng
RT: 10.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.6	9.3	13.9	
127	14.0	11.6	17.4	

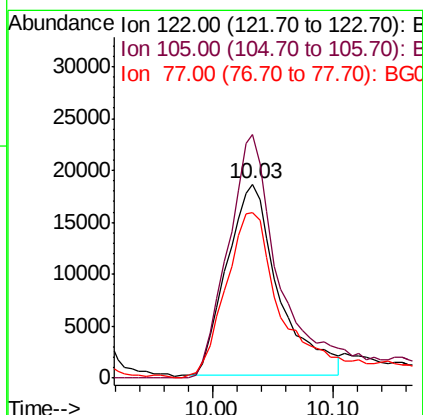
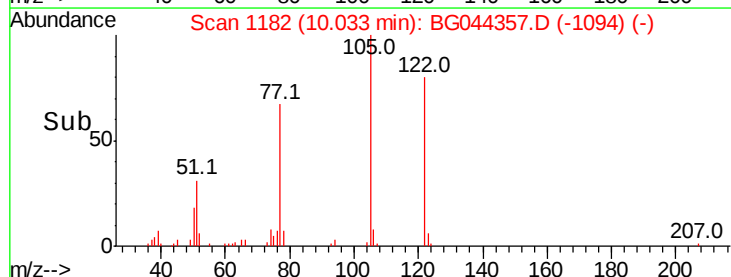
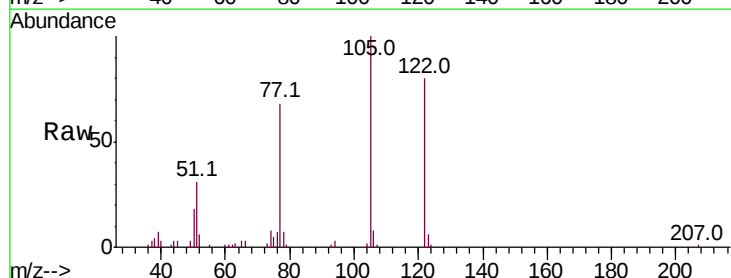
Manual Integrations
APPROVED

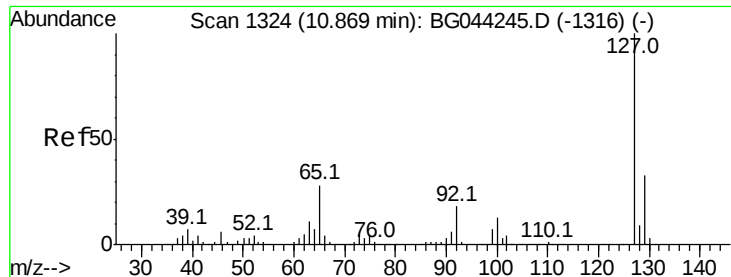
mohammad
2/12/2020 9:49:30 AM



#32
Benzoic acid
Concen: 31.075 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	125.6	93.5	133.5	
77	85.3	61.0	101.0	





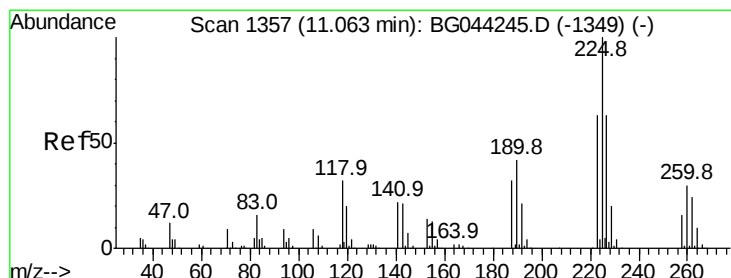
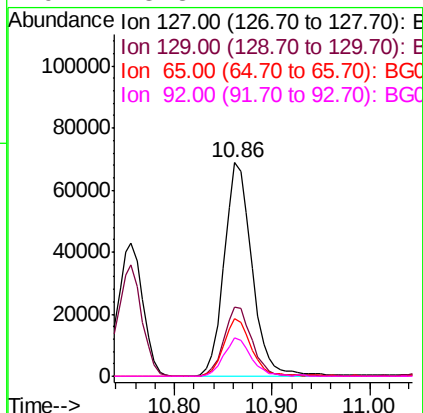
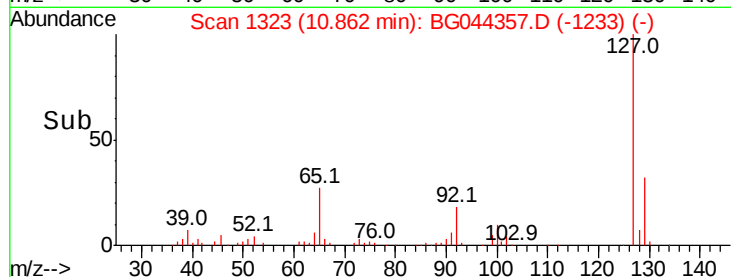
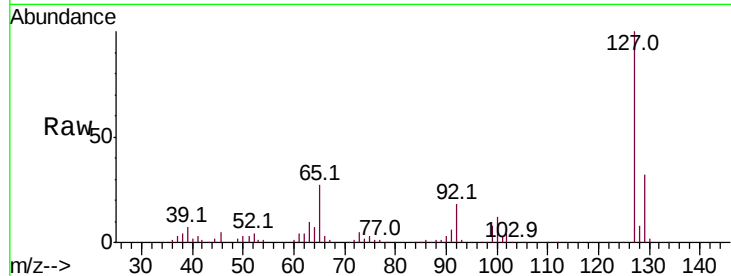
#33
4-Chloroaniline
Concen: 22.340 ng
RT: 10.86 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.6	40.0		
65	26.9	22.5	33.7		
92	18.3	14.1	21.1		

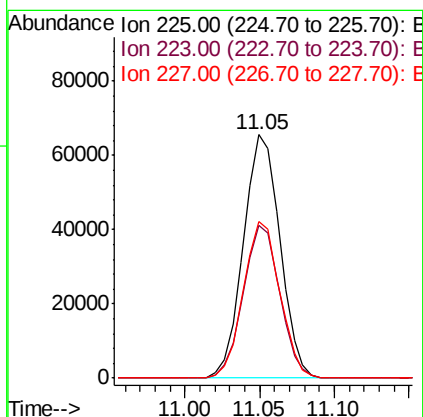
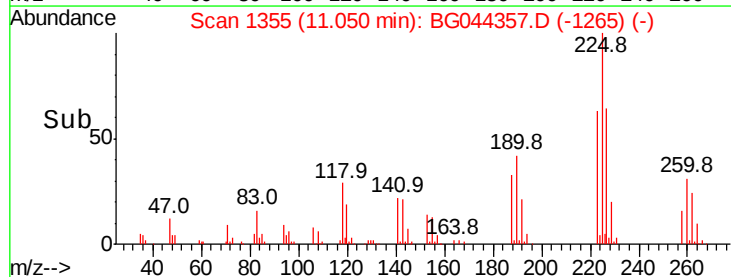
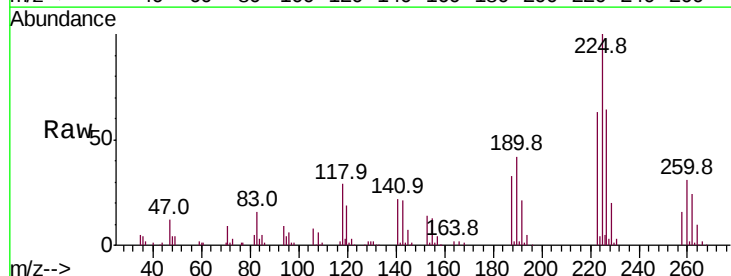
Manual Integrations
APPROVED

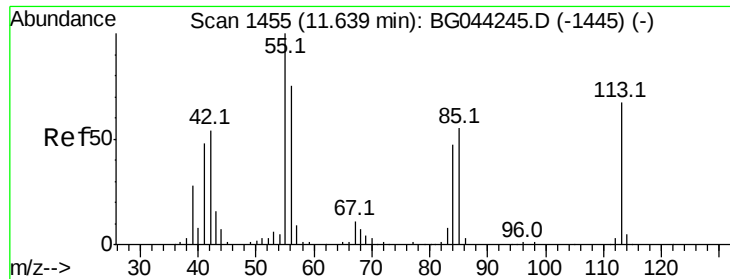
mohammad
2/12/2020 9:49:30 AM



#34
Hexachlorobutadiene
Concen: 37.100 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.2	75.4		
227	64.3	50.8	76.2		





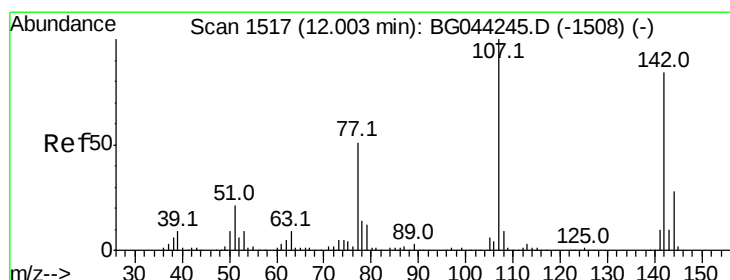
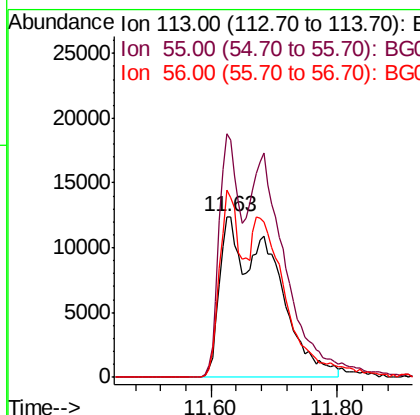
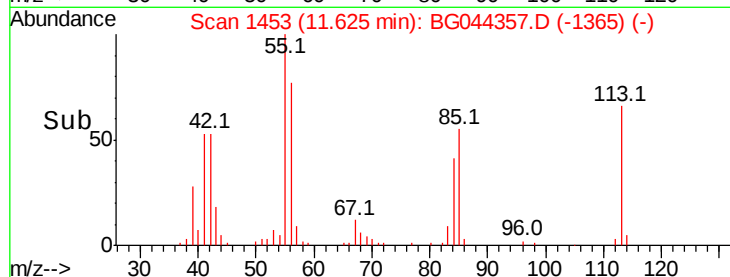
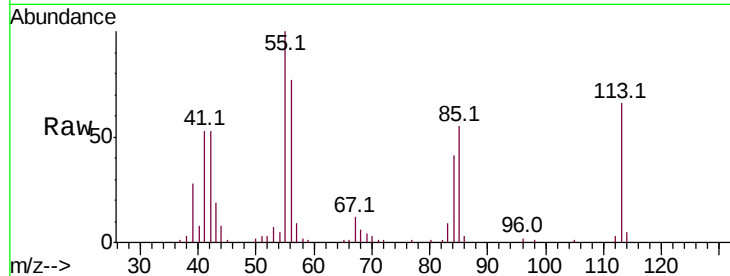
#35
 Caprolactam
 Concen: 46.893 ng/ml
 RT: 11.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleID :
 PB126601BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	151.4	129.9	169.9
56	116.6	92.5	132.5

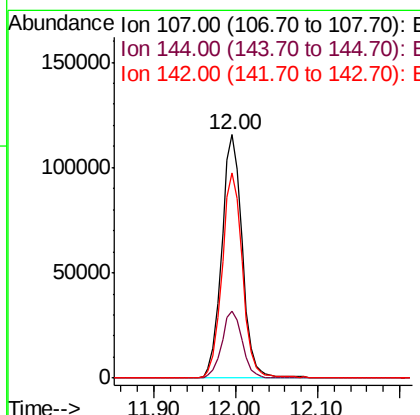
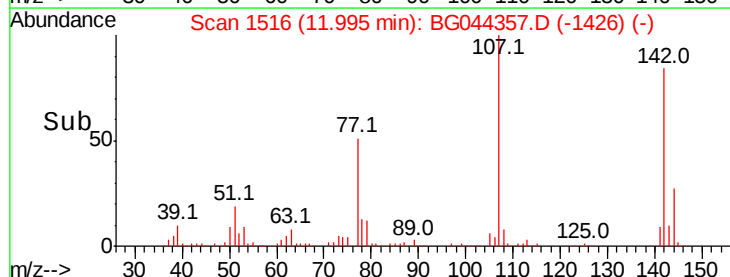
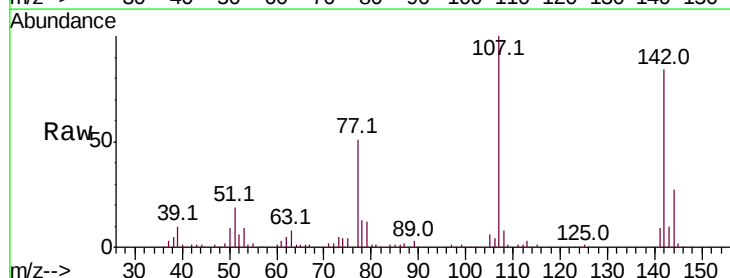
Manual Integrations
 APPROVED

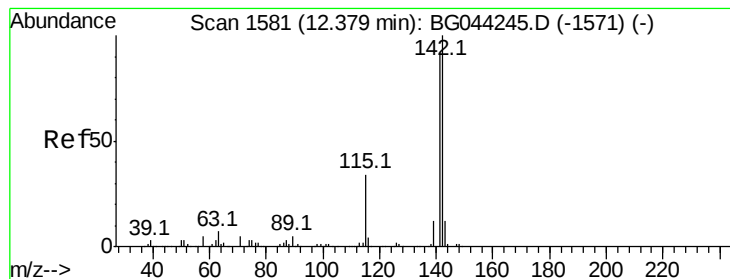
mohammad
 2/12/2020 9:49:30 AM



#36
 4-Chloro-3-methylphenol
 Concen: 45.332 ng/ml
 RT: 12.00 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.3	22.2	33.4
142	84.1	67.4	101.0





#37

2-Methylnaphthalene

Concen: 42.473 ng

RT: 12.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

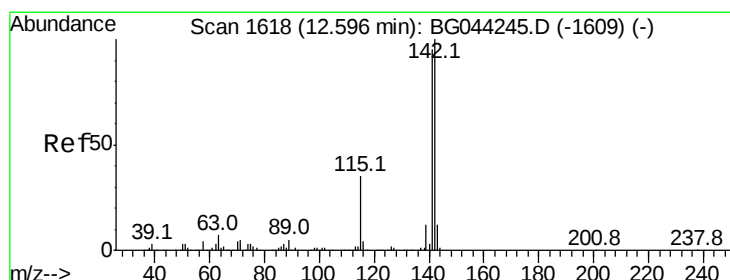
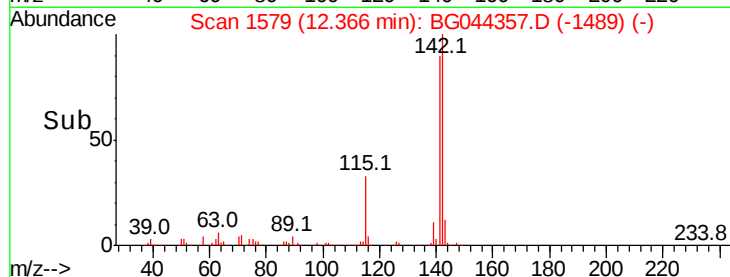
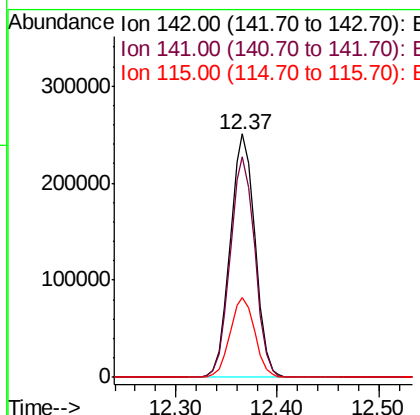
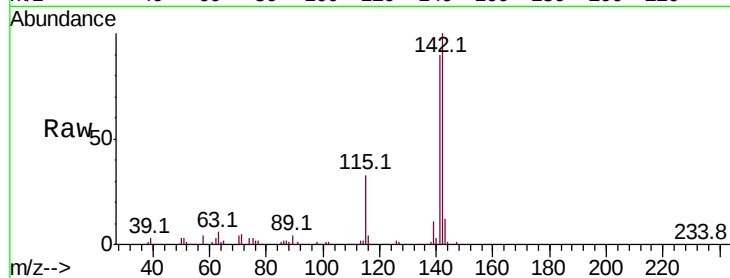
ClientSampleId :

PB126601BS

Tot Ion:	142	Resp:	423791
Ion Ratio	Lower	Upper	
142	100		
141	90.5	73.2	109.8
115	32.9	27.1	40.7

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#38

1-Methylnaphthalene

Concen: 42.443 ng

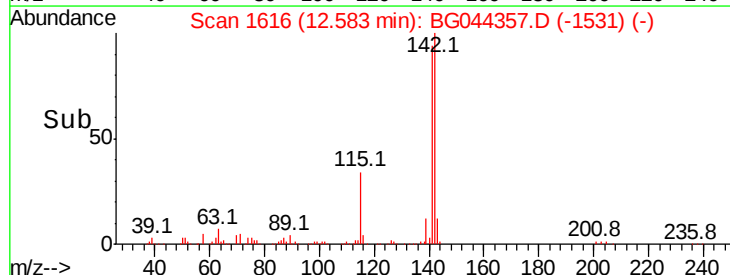
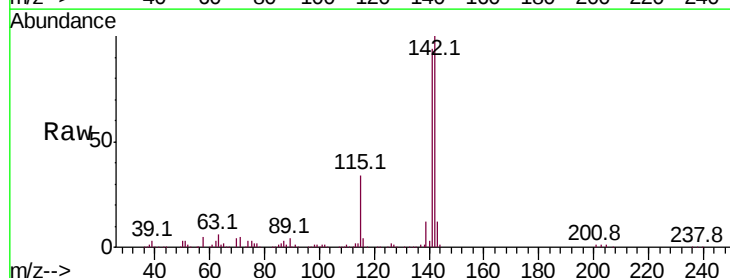
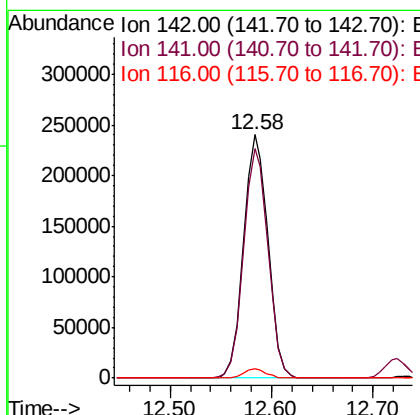
RT: 12.58 min Scan# 1616

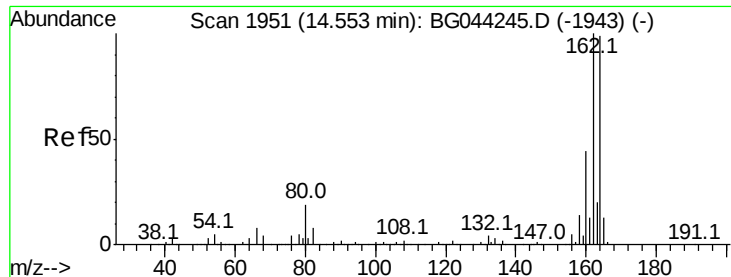
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	142	Resp:	399271
Ion Ratio	Lower	Upper	
142	100		
141	94.1	75.8	113.6
116	3.9	3.1	4.7





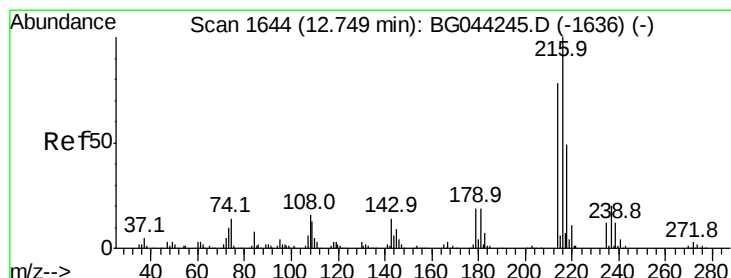
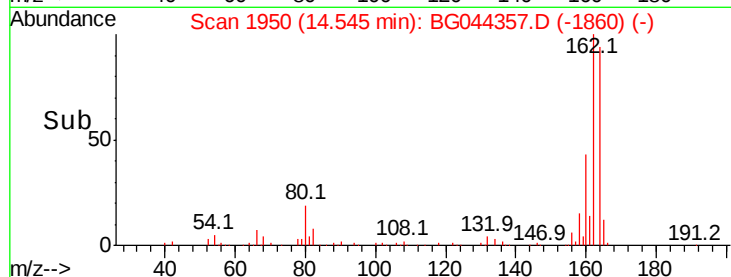
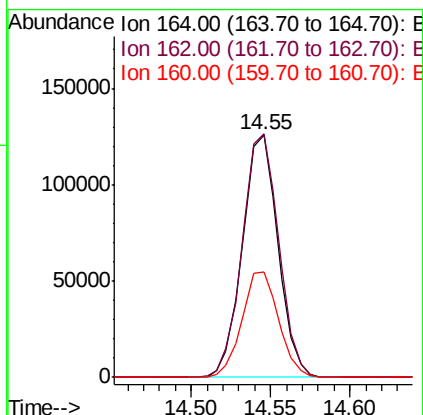
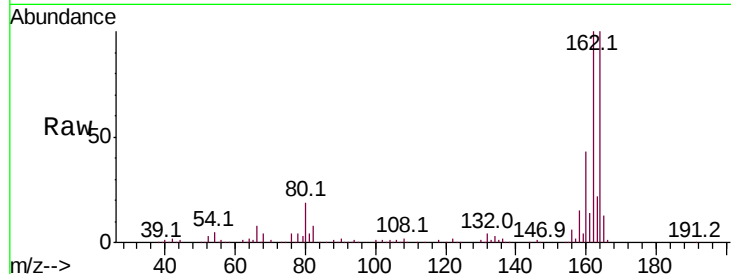
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.7	121.1
160	43.3	35.3	52.9

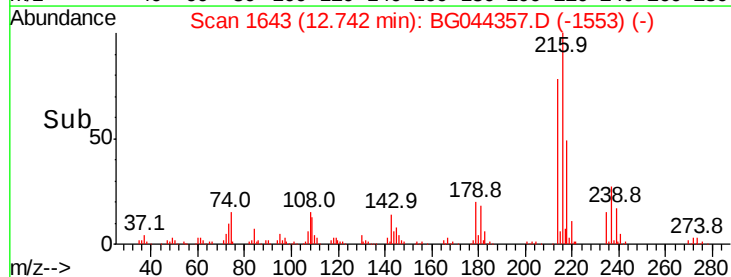
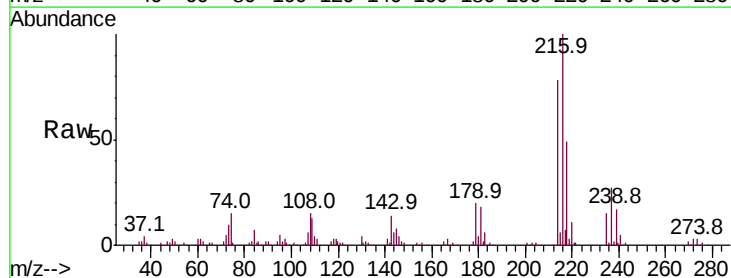
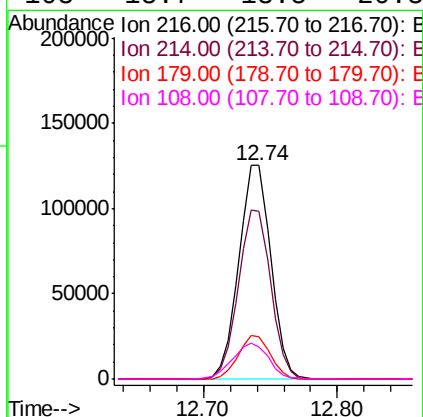
Manual Integrations
APPROVED

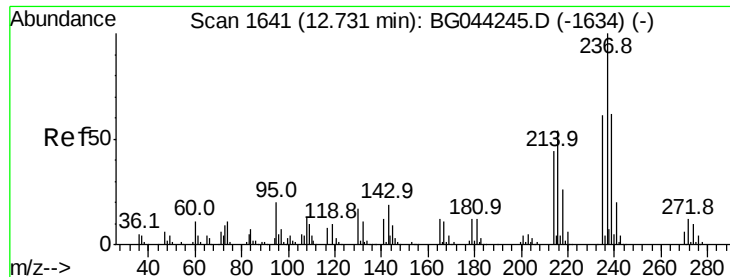
mohammad
2/12/2020 9:49:30 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.481 ng
RT: 12.74 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.0	94.6
179	20.2	16.2	24.4
108	18.7	13.5	20.3





#41

Hexachlorocyclopentadiene

Concen: 91.762 ng

RT: 12.72 min Scan# 1640

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

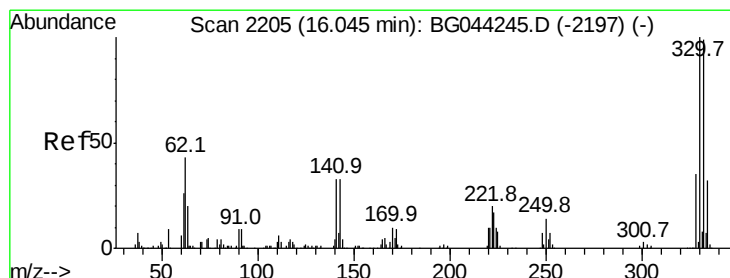
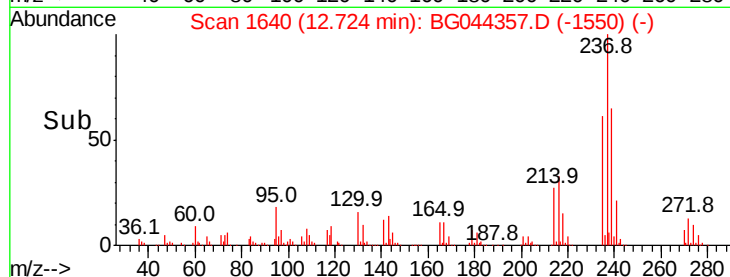
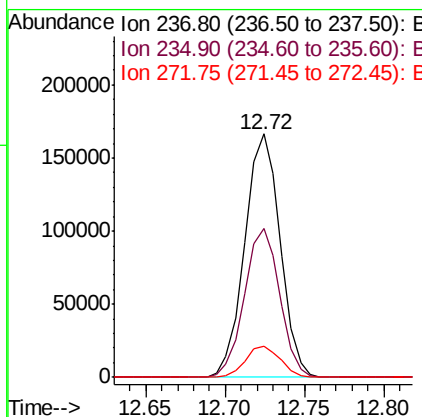
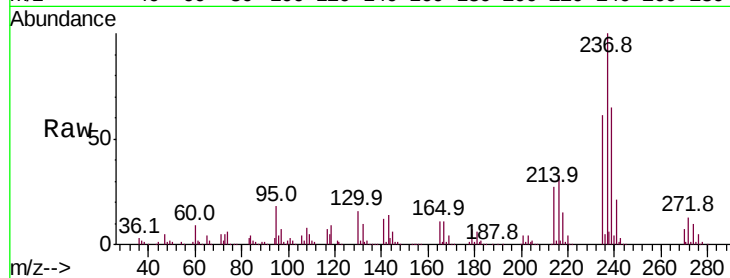
ClientSampleId :

PB126601BS

Tot Ion:	237	Resp:	258555
Ion Ratio	Lower	Upper	
237	100		
235	61.0	41.2	81.2
272	12.9	0.0	32.4

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#42

2,4,6-Tribromophenol

Concen: 123.267 ng

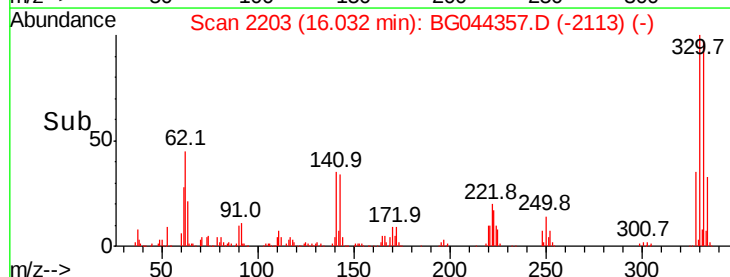
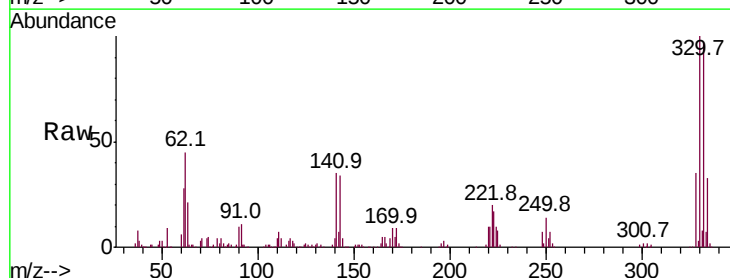
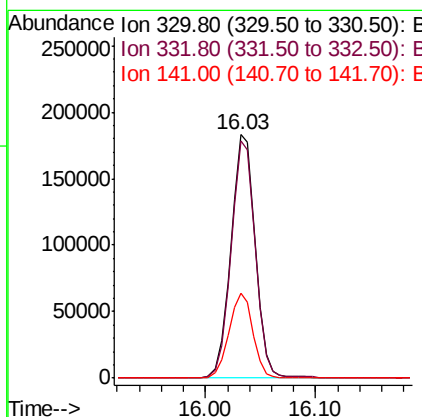
RT: 16.03 min Scan# 2203

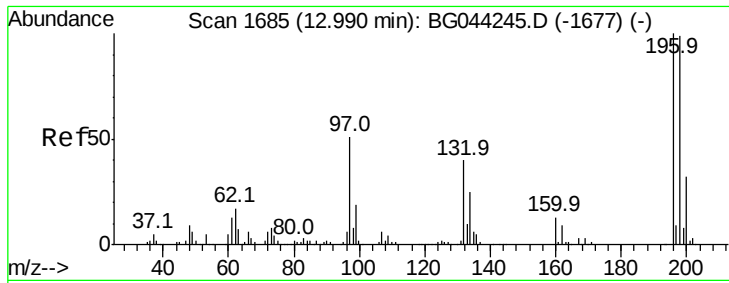
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	330	Resp:	284076
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.2	115.8
141	34.7	28.3	42.5





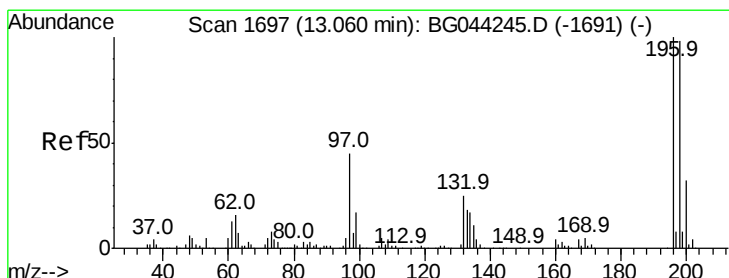
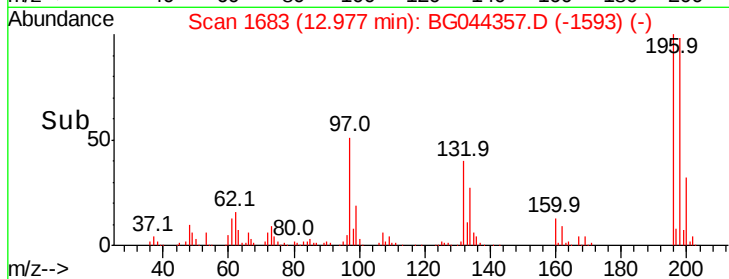
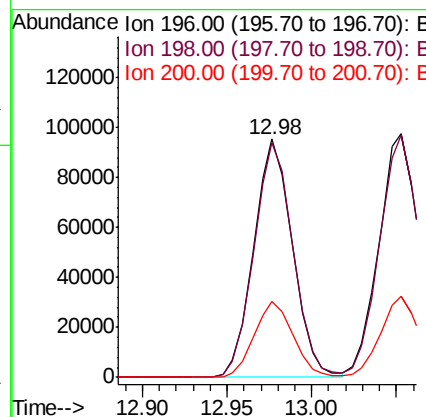
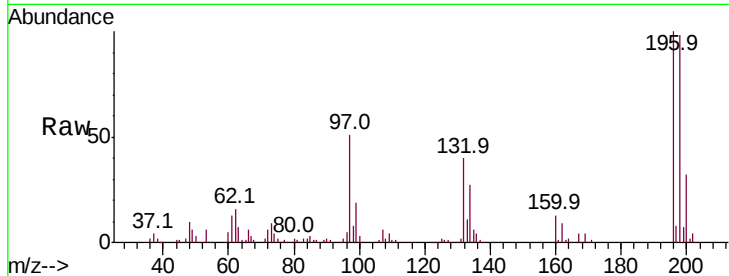
#43
 2,4,6-Trichlorophenol
 Concen: 40.040 ng
 RT: 12.98 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	151977		
198	98.3	79.3	118.9	
200	32.0	25.7	38.5	

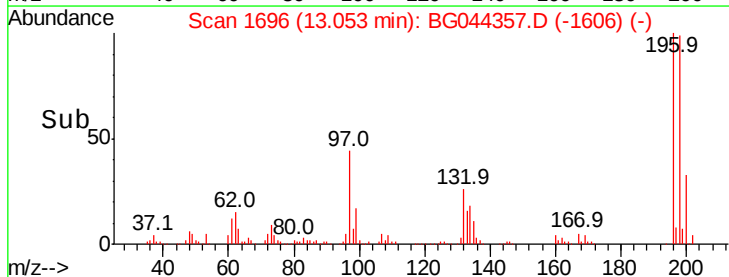
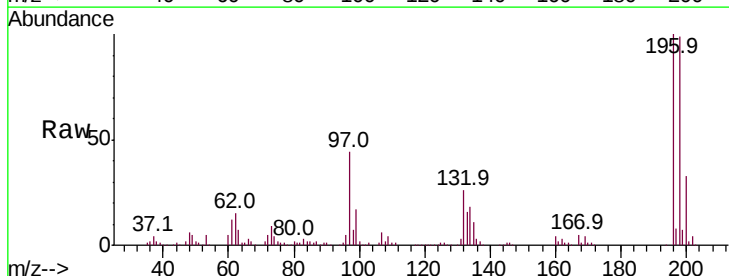
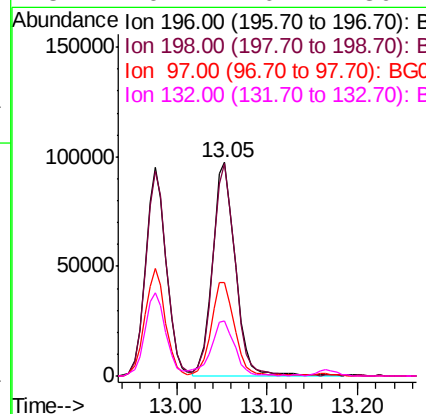
Manual Integrations
 APPROVED

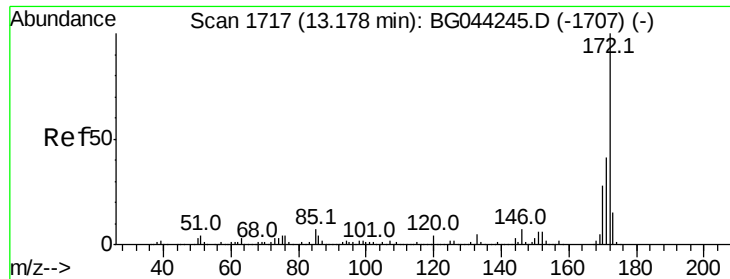
mohammad
 2/12/2020 9:49:30 AM



#44
 2,4,5-Trichlorophenol
 Concen: 43.753 ng
 RT: 13.05 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	169627		
198	99.5	78.2	117.2	
97	44.0	36.2	54.4	
132	26.1	20.2	30.4	





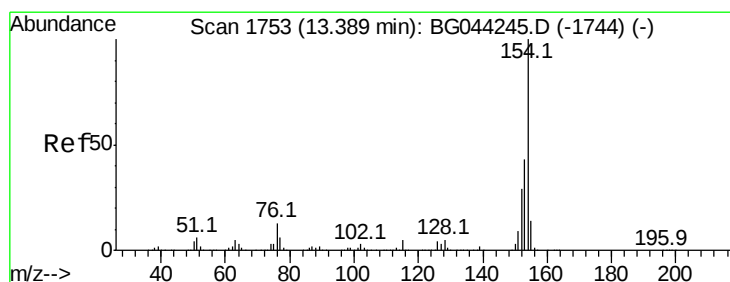
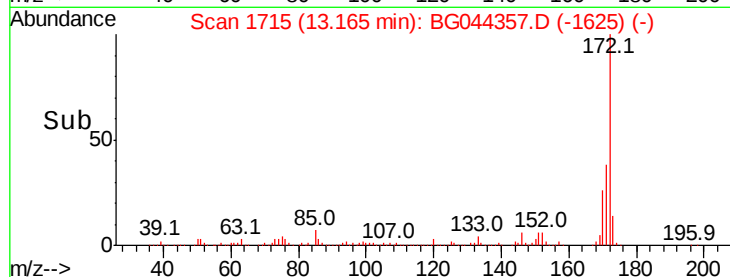
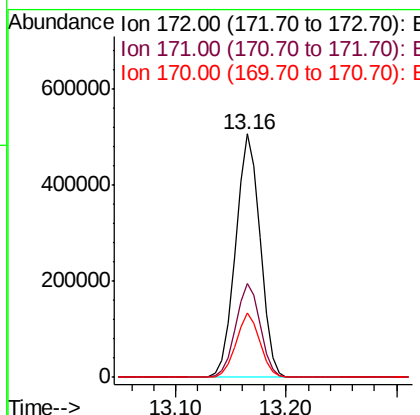
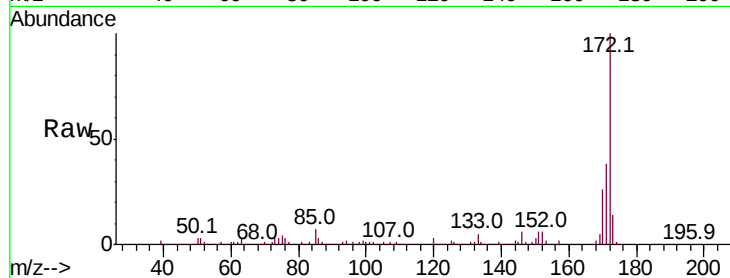
#45
2-Fluorobiphenyl
Concen: 67.293 ng
RT: 13.16 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.4	32.9	49.3	
170	26.3	22.0	33.0	

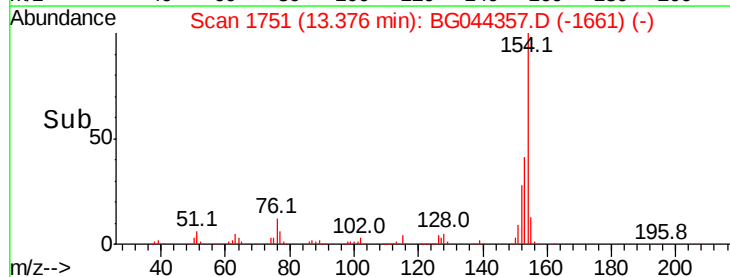
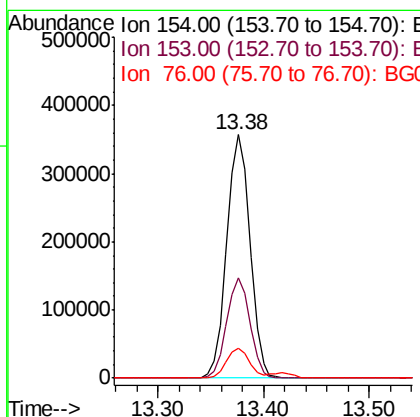
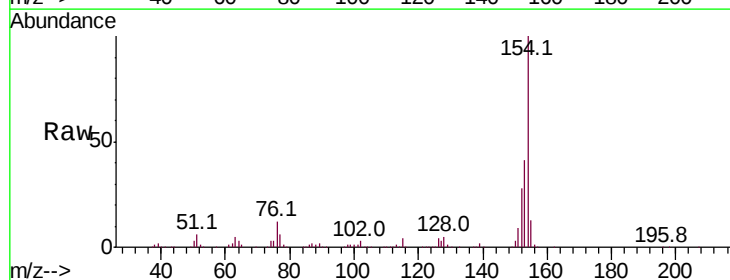
Manual Integrations
APPROVED

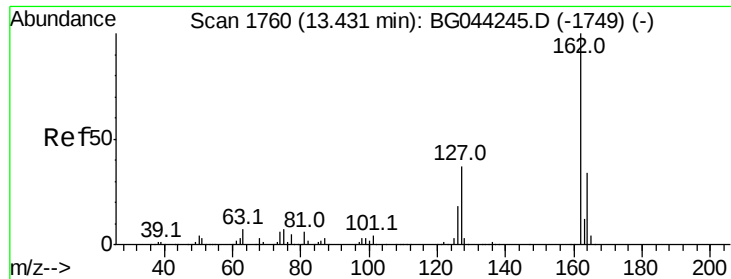
mohammad
2/12/2020 9:49:30 AM



#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 13.38 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.3	22.7	62.7	
76	12.3	0.0	32.9	





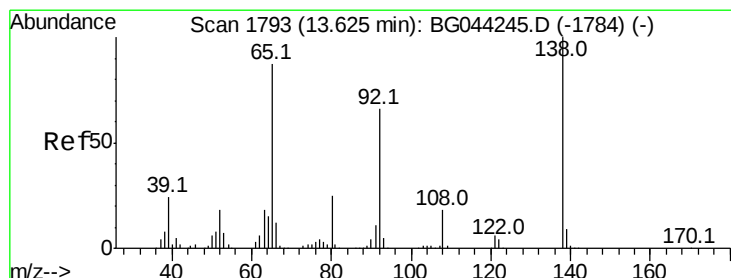
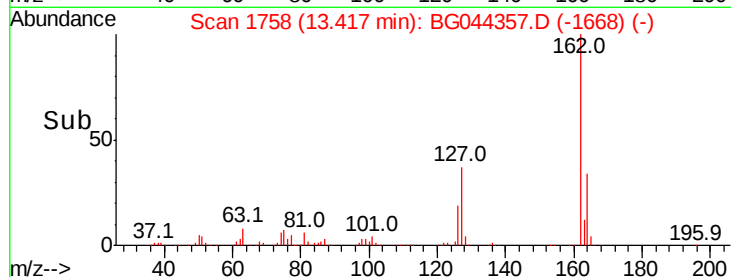
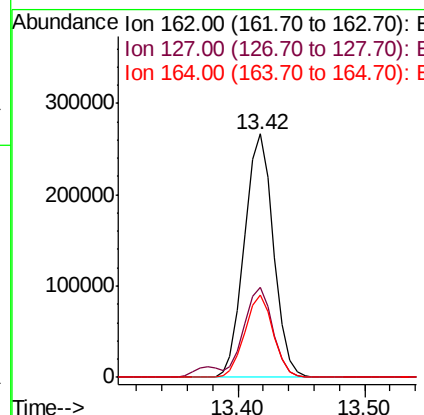
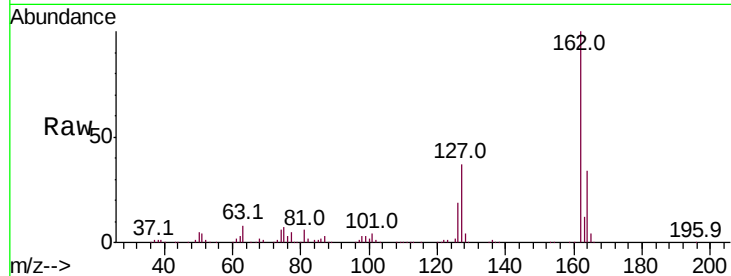
#47
 2-Chloronaphthalene
 Concen: 37.599 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	423657		
127	36.8		30.0	45.0
164	34.0		27.2	40.8

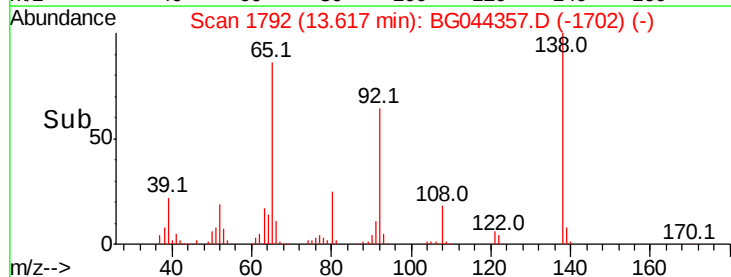
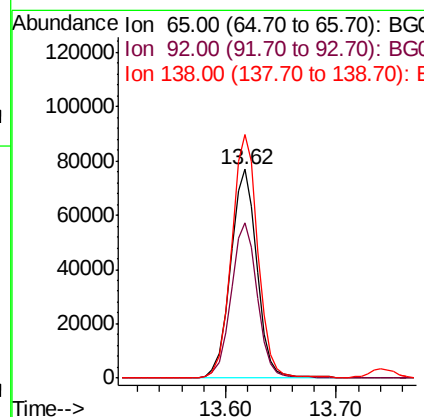
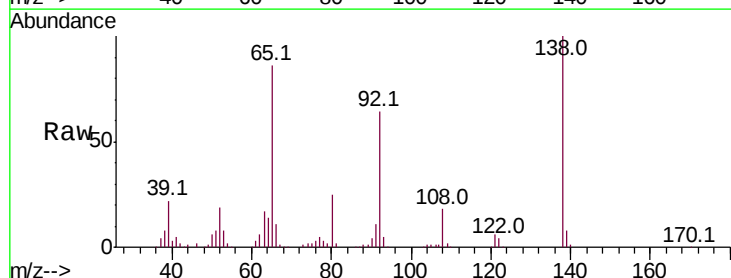
Manual Integrations
 APPROVED

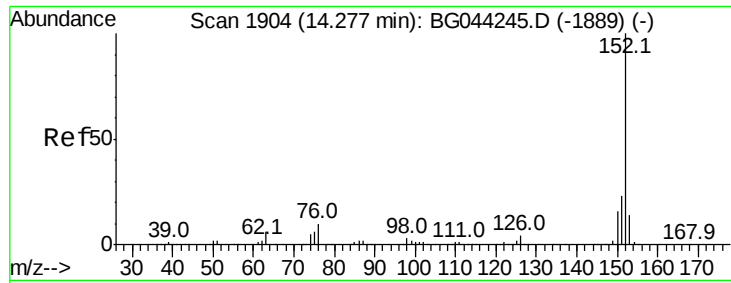
mohammad
 2/12/2020 9:49:30 AM



#48
 2-Nitroaniline
 Concen: 38.643 ng
 RT: 13.62 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	128503		
92	74.7		60.3	90.5
138	116.8		91.9	137.9





#49

Acenaphthylene

Concen: 41.532 ng

RT: 14.26 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

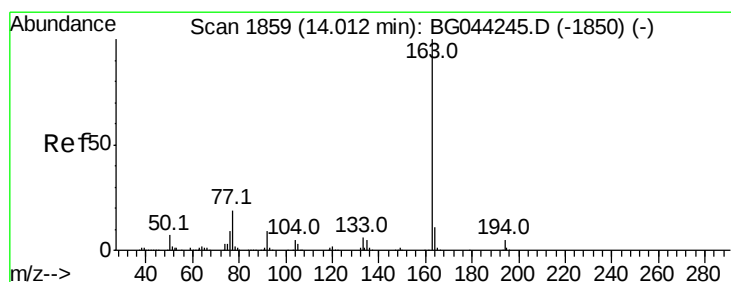
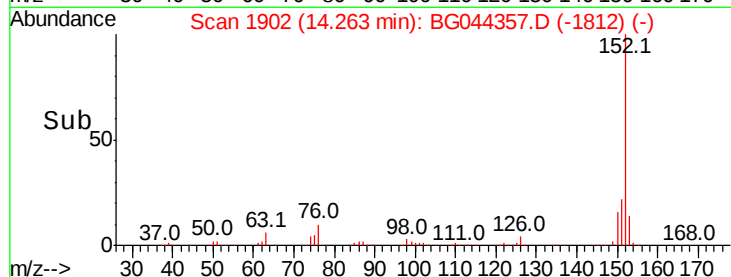
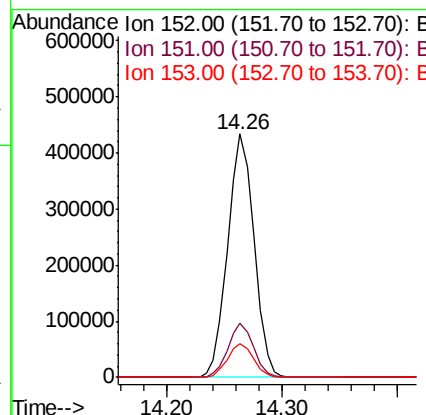
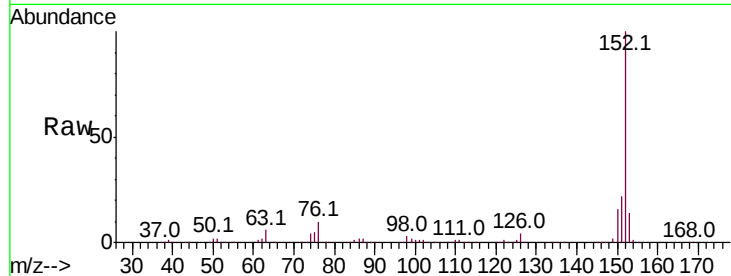
ClientSampleId :

PB126601BS

Tot Ion:	152	Resp:	686393
Ion Ratio	Lower	Upper	
152	100		
151	22.2	18.1	27.1
153	13.8	11.5	17.3

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#50

Dimethylphthalate

Concen: 40.813 ng

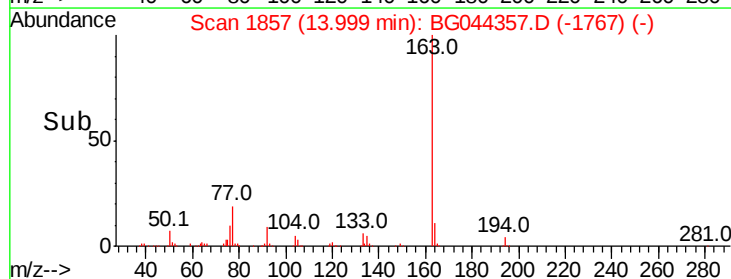
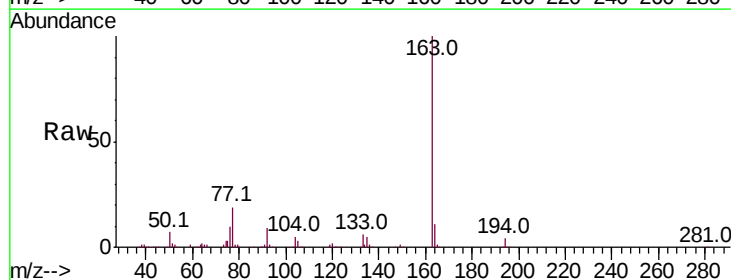
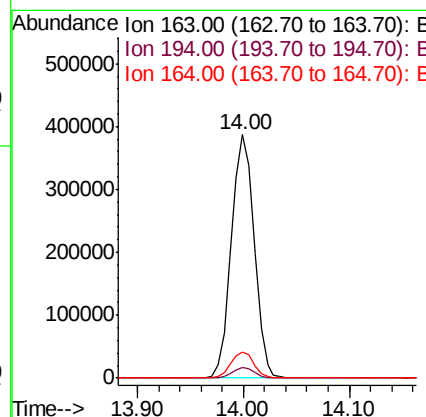
RT: 14.00 min Scan# 1857

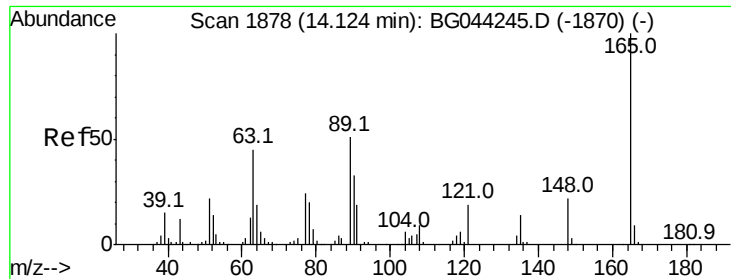
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	163	Resp:	575922
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.6	5.4
164	10.7	8.7	13.1





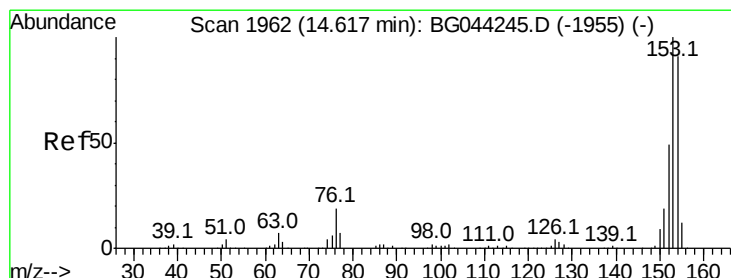
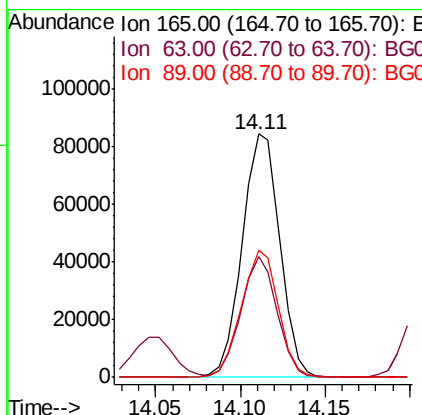
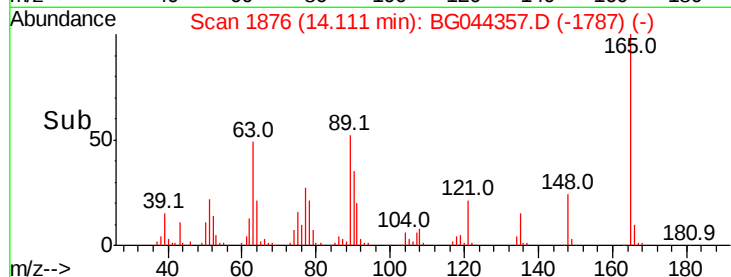
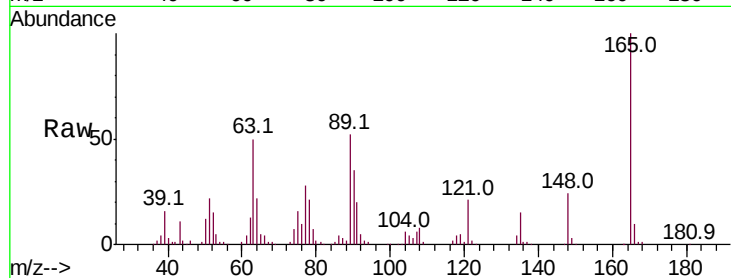
#51
 2,6-Dinitrotoluene
 Concen: 41.566 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.5	38.7	58.1
89	52.1	40.4	60.6

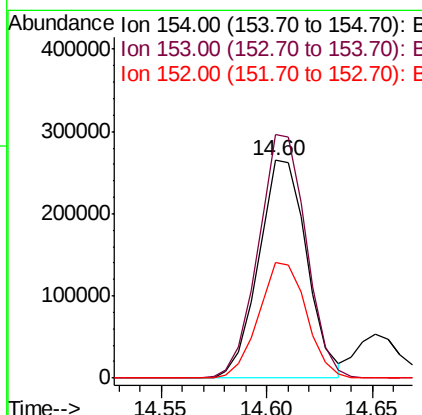
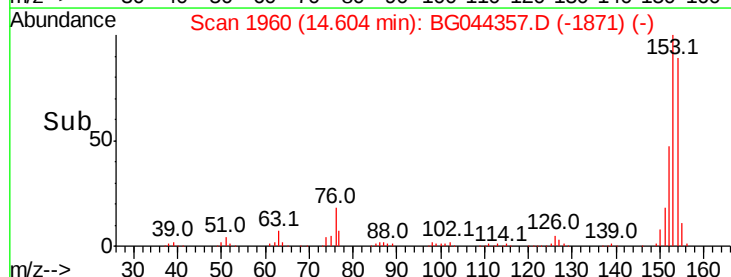
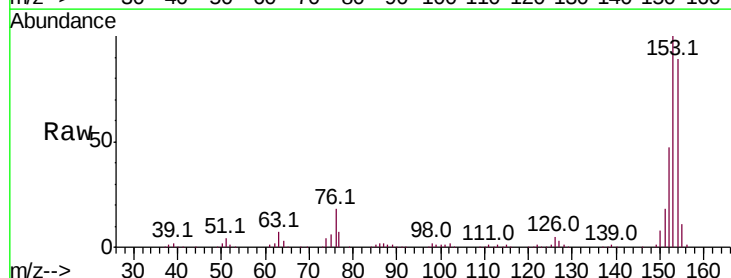
Manual Integrations
 APPROVED

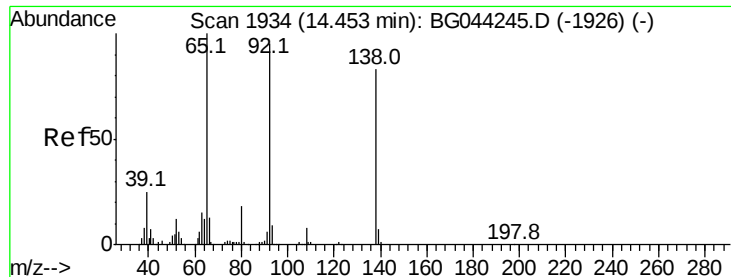
mohammad
 2/12/2020 9:49:30 AM



#52
 Acenaphthene
 Concen: 39.289 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.01 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	87.9	131.9
152	53.0	43.1	64.7





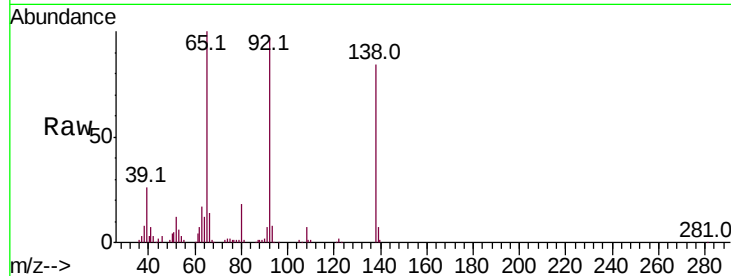
#53
3-Nitroaniline
Concen: 26.728 ng
RT: 14.44 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	8.4	7.9	11.9
92	115.4	91.0	136.4

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM

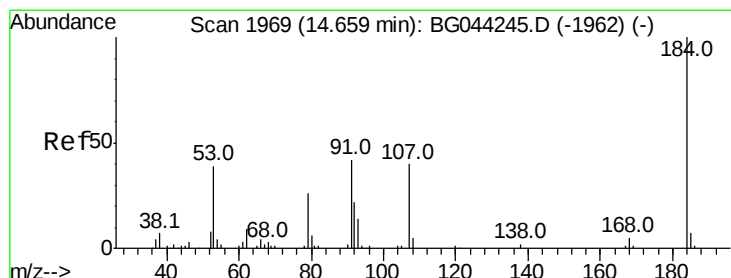
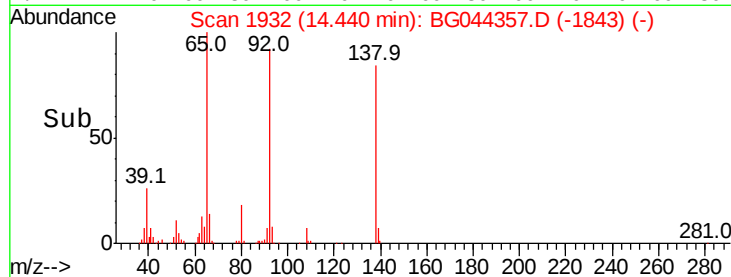
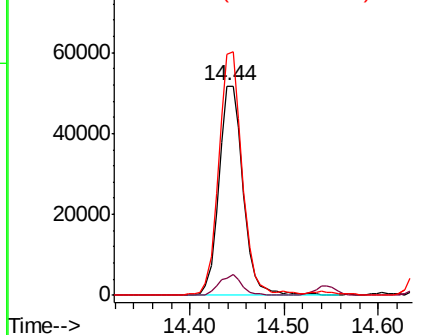


Abundance

Ion 138.00 (137.70 to 138.70): E

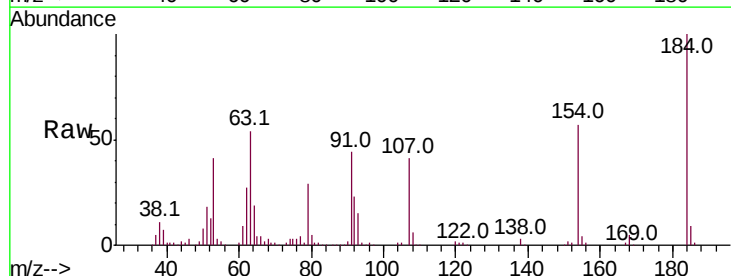
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54
2,4-Dinitrophenol
Concen: 82.277 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.1	44.1	66.1
154	57.3	45.4	68.0

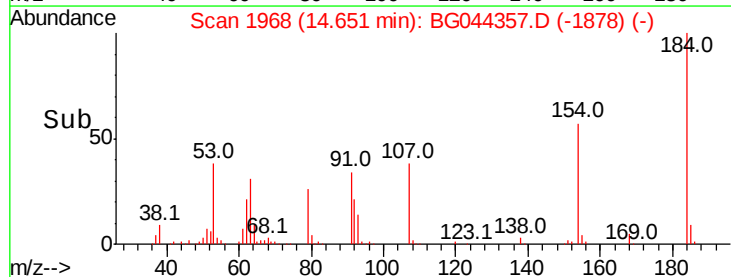
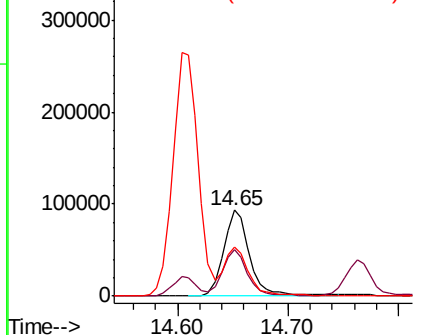


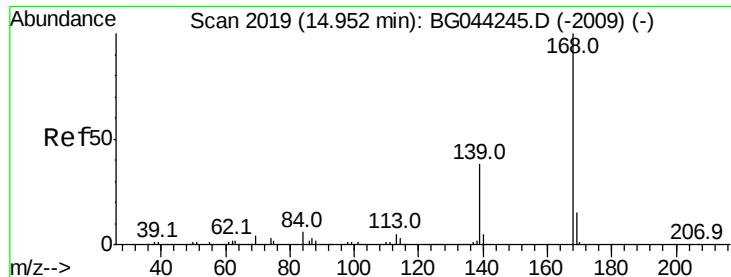
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





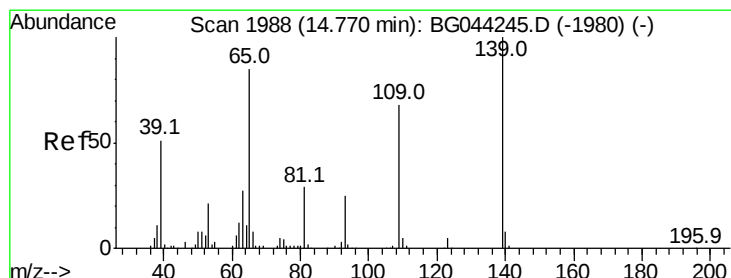
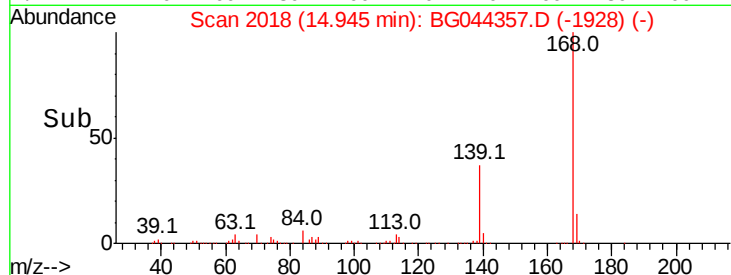
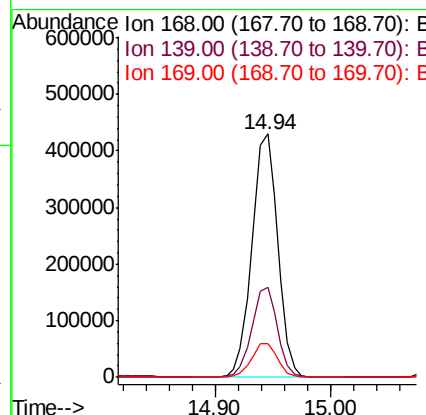
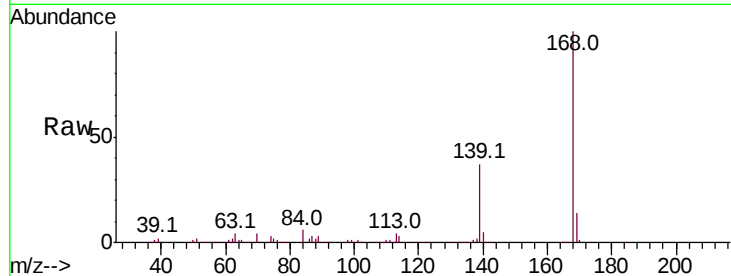
#55
Dibenzofuran
Concen: 41.346 ng
RT: 14.94 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.5	45.7
169	13.9	11.7	17.5

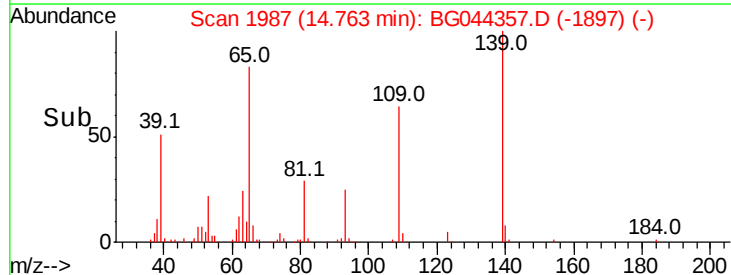
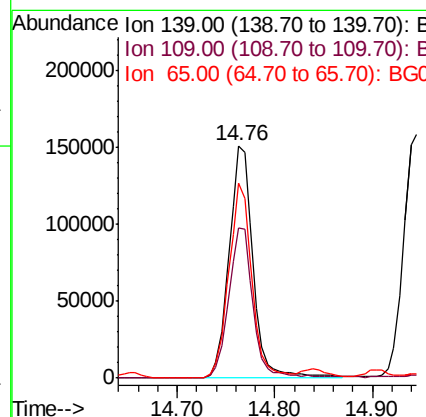
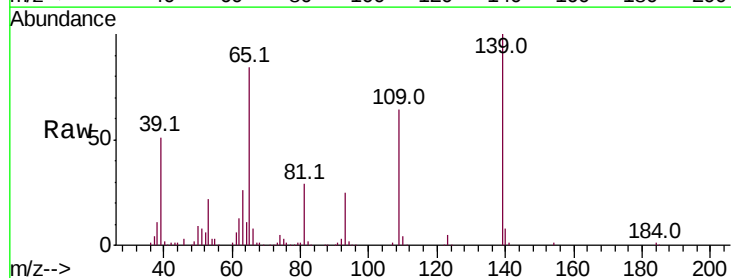
Manual Integrations
APPROVED

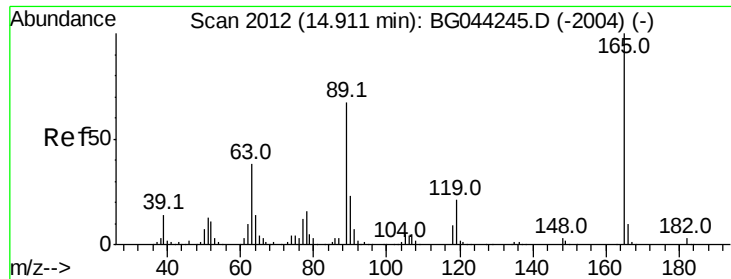
mohammad
2/12/2020 9:49:30 AM



#56
4-Nitrophenol
Concen: 101.150 ng
RT: 14.76 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.3	47.5	87.5
65	83.6	64.9	104.9





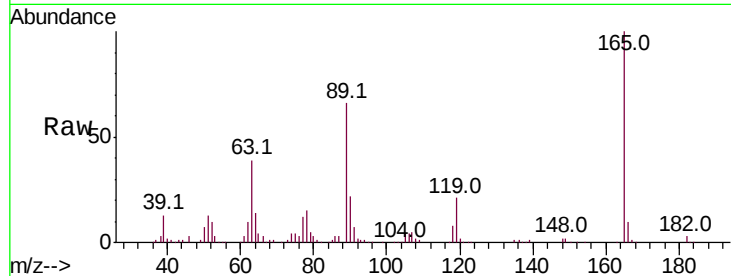
#57
2,4-Dinitrotoluene
Concen: 42.880 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

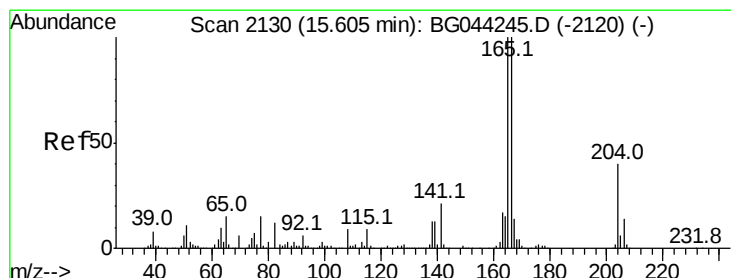
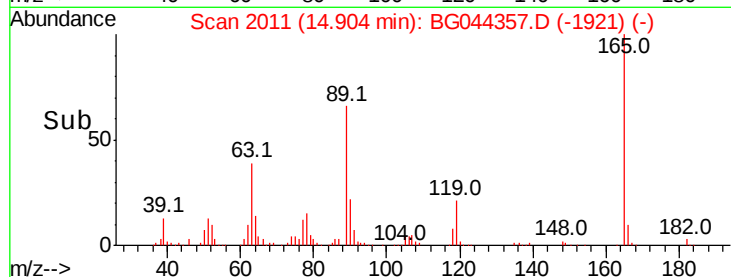
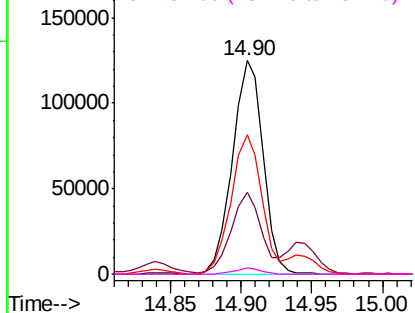
Tot Ion	Ratio	Resp	Lower	Upper
165	100	189092		
63	38.5	30.3	45.5	
89	65.5	53.4	80.2	
182	2.8	2.1	3.1	

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM

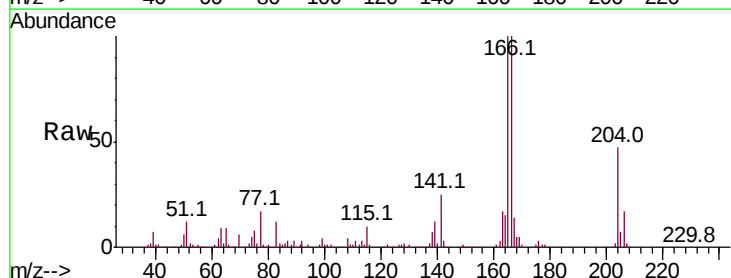


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

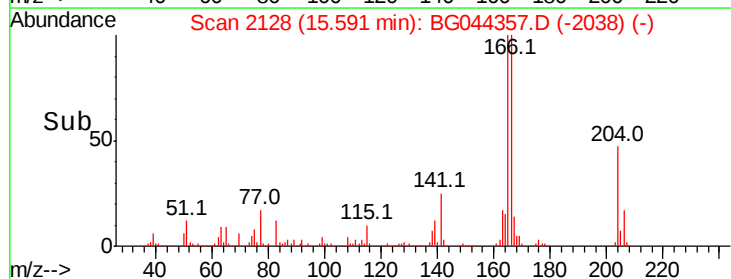
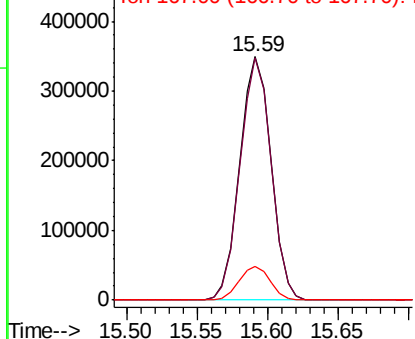


#58
Fluorene
Concen: 42.415 ng
RT: 15.59 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	541827		
165	99.5	79.9	119.9	
167	14.0	11.4	17.0	



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





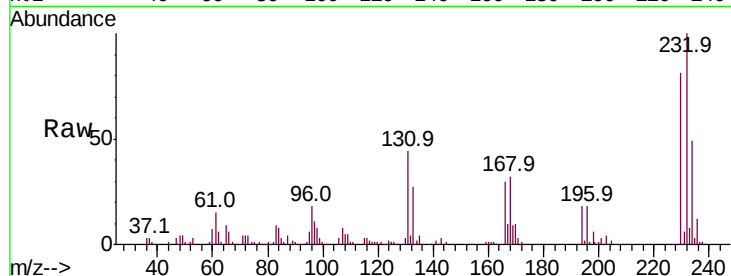
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.902 ng
 RT: 15.17 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	157239		
131	41.3		34.2	51.4
130	2.4		1.8	2.8
166	29.7		23.8	35.8

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:49:30 AM



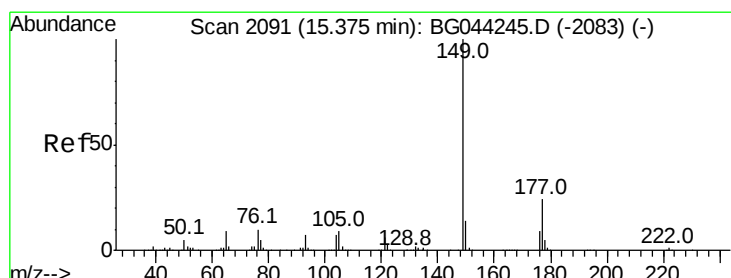
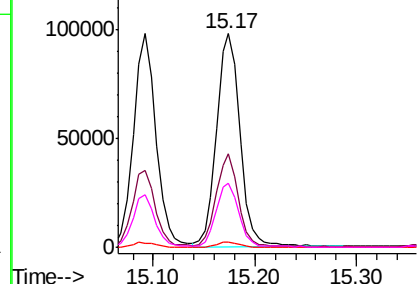
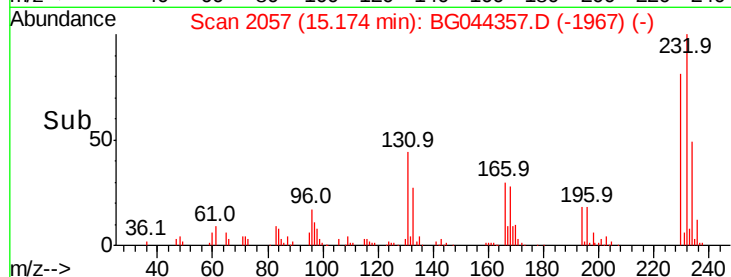
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

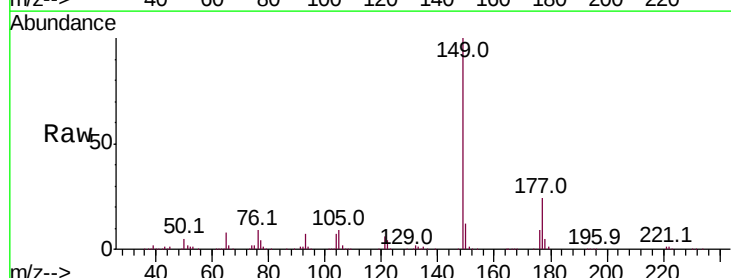
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 42.465 ng
 RT: 15.37 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	597088		
177	24.3		19.4	29.0
150	12.5		10.9	16.3

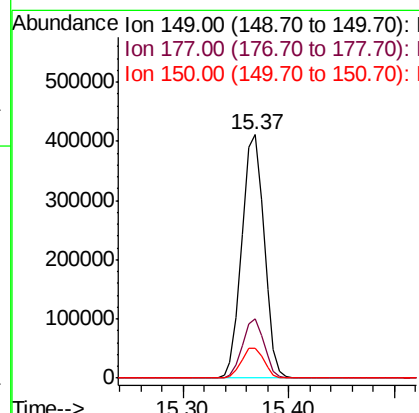
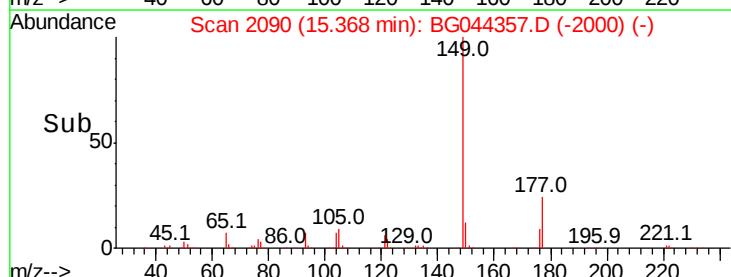


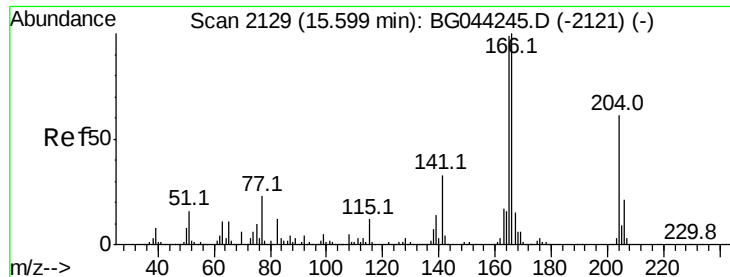
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





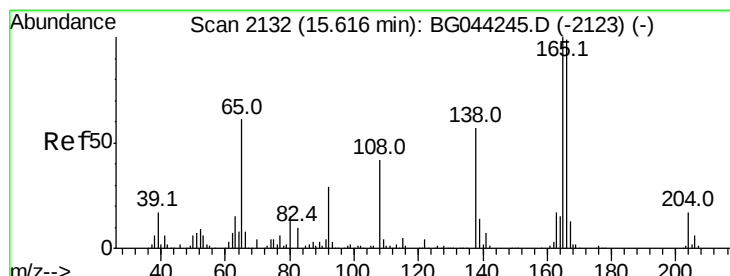
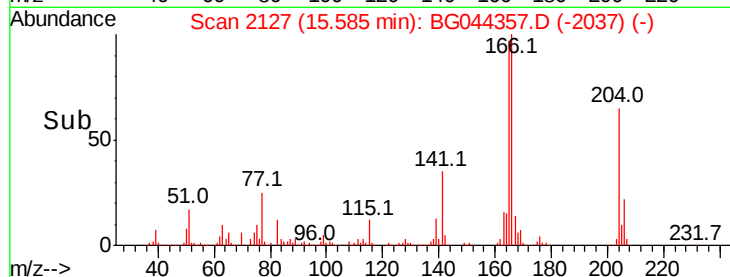
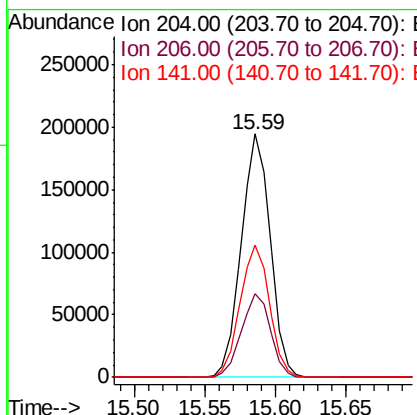
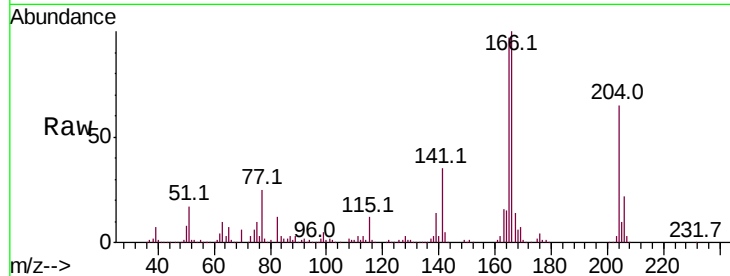
#61
 4-Chlorophenyl-phenylether
 Concen: 40.384 ng
 RT: 15.59 min Scan# 2127
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampled :
 PB126601BS

Tot Ion:	204	Resp:	279714
Ion Ratio	Lower	Upper	
204	100		
206	34.5	27.6	41.4
141	54.5	43.4	65.0

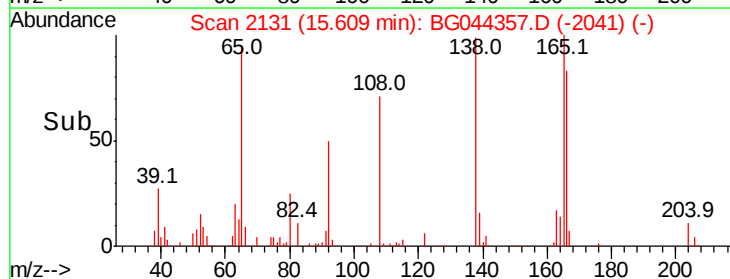
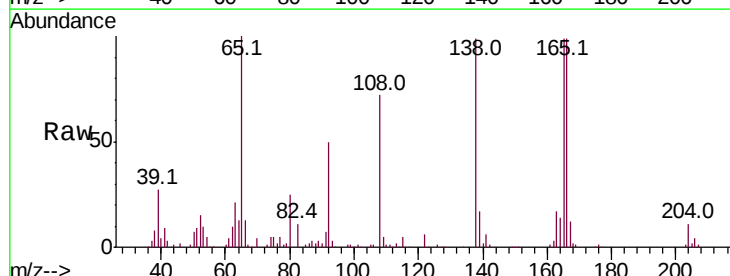
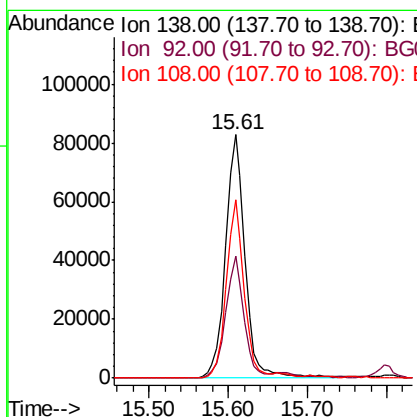
Manual Integrations
 APPROVED

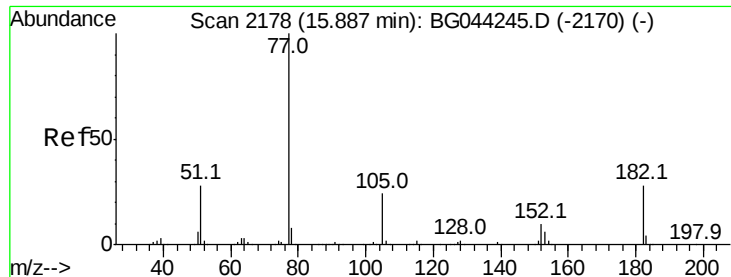
mohammad
 2/12/2020 9:49:30 AM



#62
 4-Nitroaniline
 Concen: 40.760 ng
 RT: 15.61 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion:	138	Resp:	141775
Ion Ratio	Lower	Upper	
138	100		
92	50.2	31.3	71.3
108	73.2	52.6	92.6





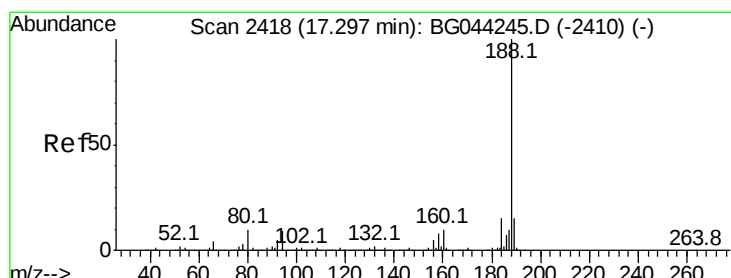
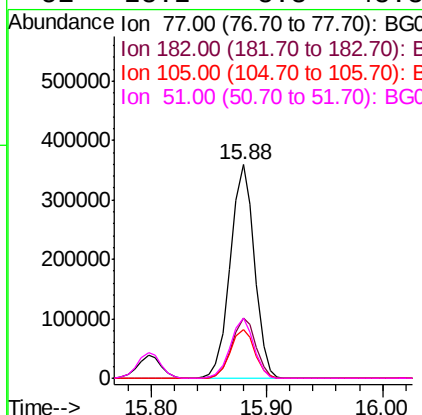
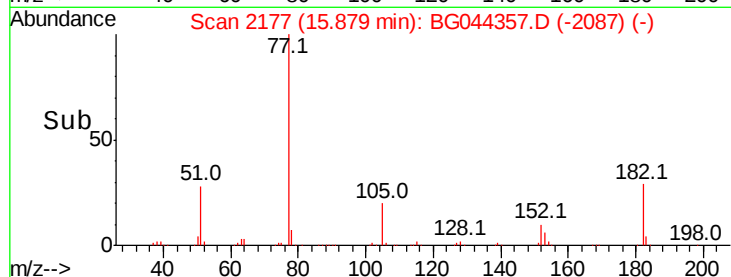
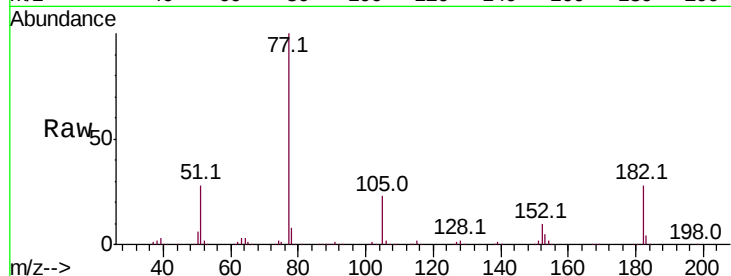
#63
Azobenzene
Concen: 41.971 ng
RT: 15.88 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	28.3	8.2	48.2		
105	23.0	3.6	43.6		
51	28.2	8.3	48.3		

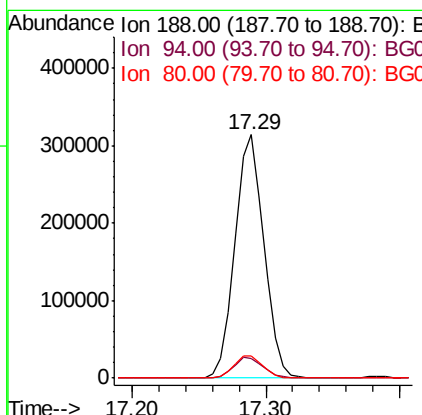
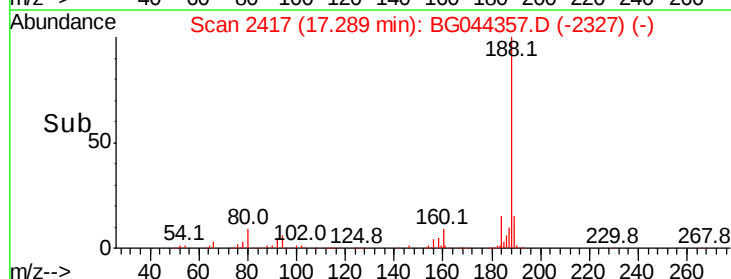
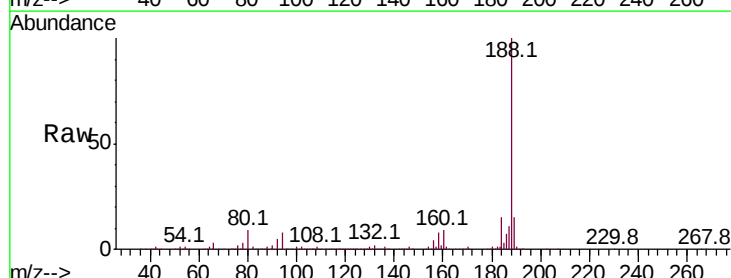
Manual Integrations
APPROVED

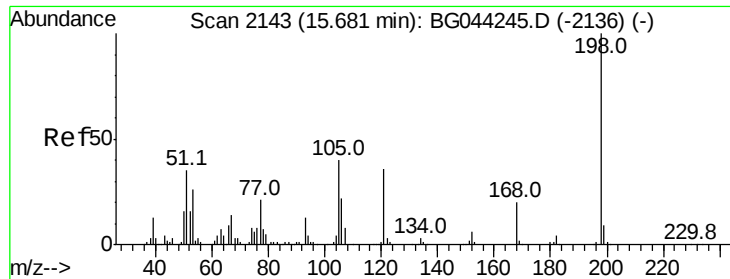
mohammad
2/12/2020 9:49:30 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.3	7.4	11.2		
80	8.9	7.7	11.5		





#65

4,6-Dinitro-2-methylphenol

Concen: 44.869 ng

RT: 15.67 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

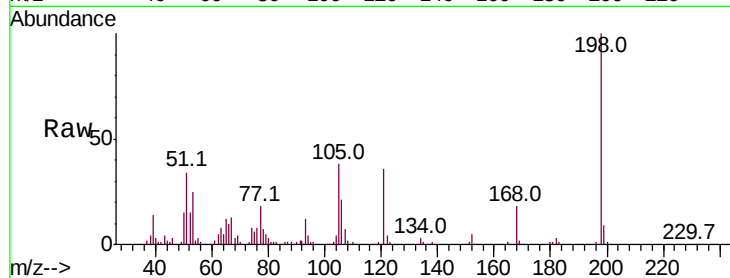
ClientSampled :

PB126601BS

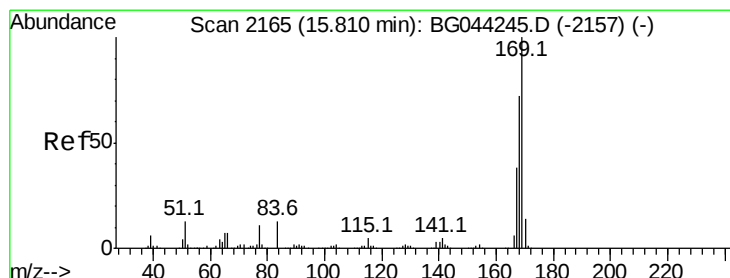
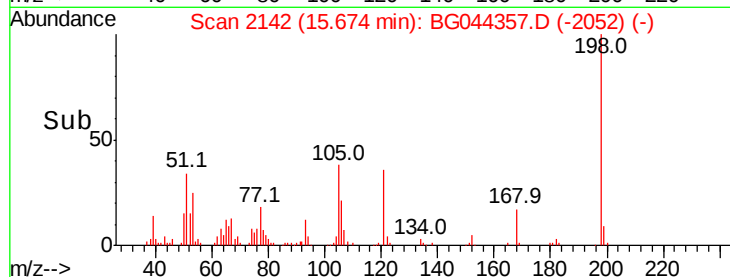
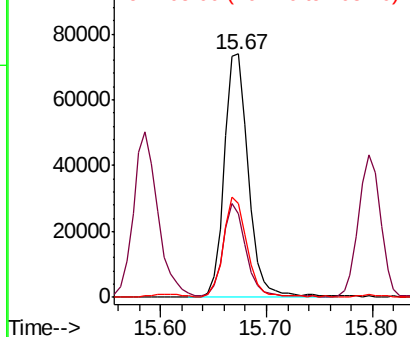
Tot Ion:	198	Resp:	117140
Ion Ratio	Lower	Upper	
198	100		
51	34.1	16.6	56.6
105	38.4	20.6	60.6

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



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: 39.081 ng

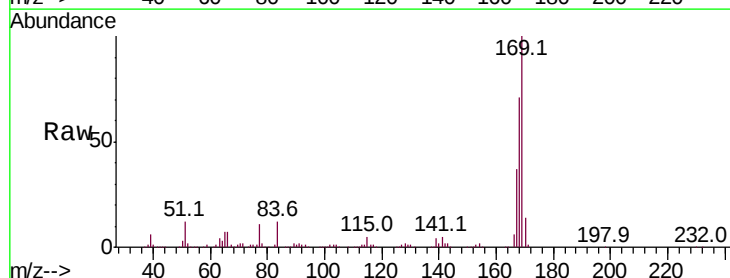
RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

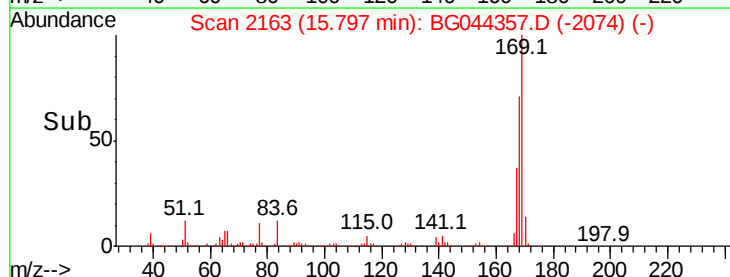
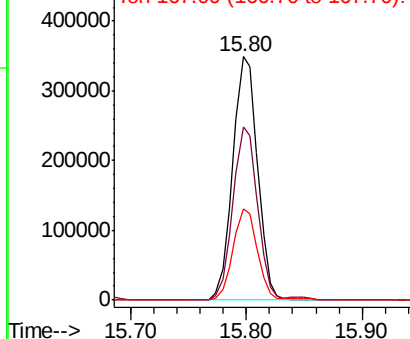
Lab File: BG044357.D

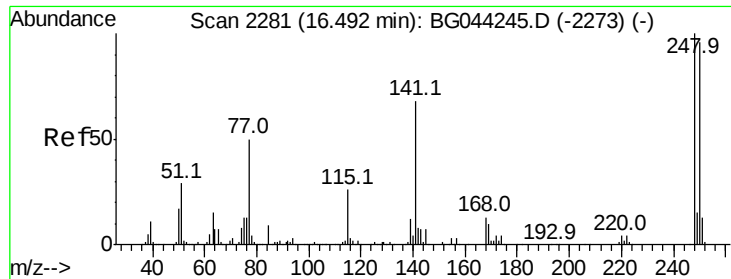
Acq: 10 Feb 2020 15:24

Tgt Ion:	169	Resp:	517995
Ion Ratio	Lower	Upper	
169	100		
168	71.0	57.9	86.9
167	37.3	30.7	46.1



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





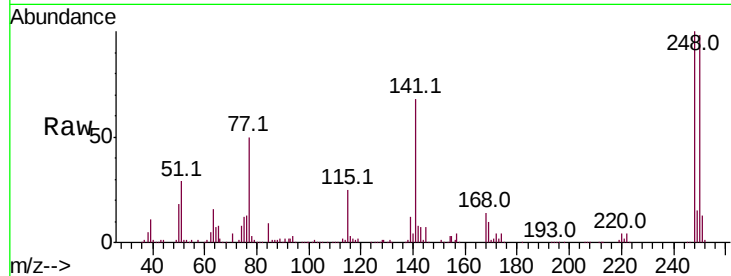
#67
 4-Bromophenyl-phenylether
 Concen: 37.440 ng
 RT: 16.48 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.6	114.8
141	68.2	54.7	82.1

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:49:30 AM

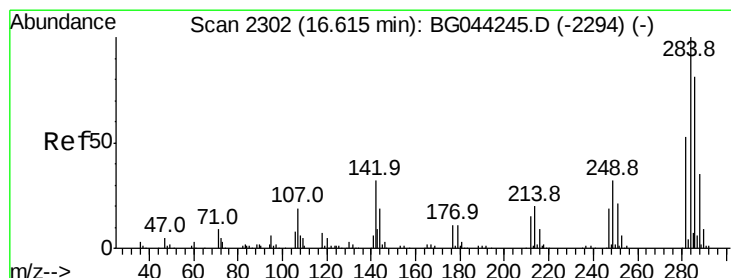
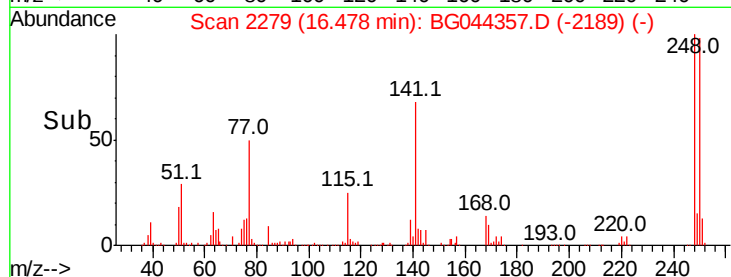
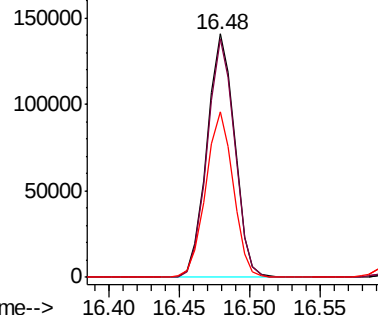


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 36.516 ng
 RT: 16.60 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

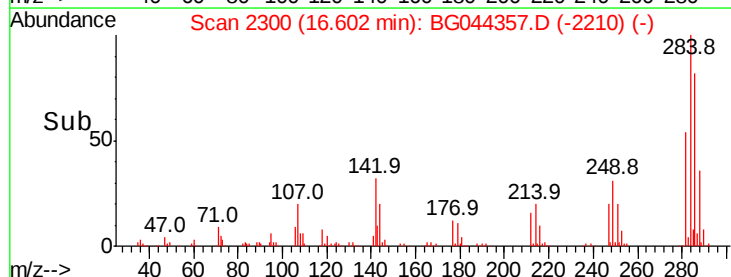
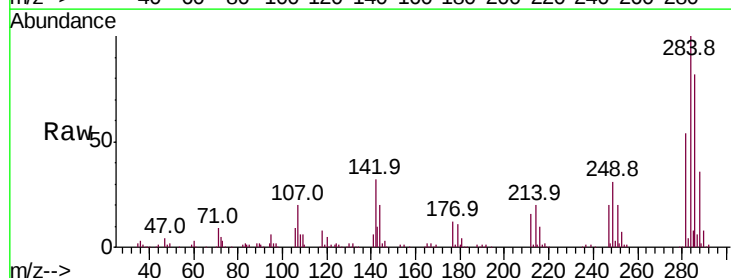
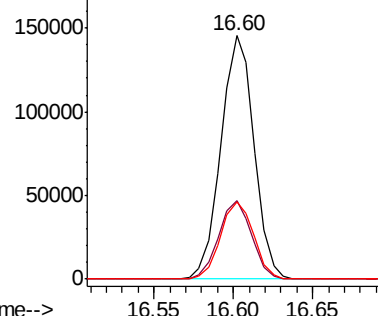
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.3	37.9
249	31.5	25.5	38.3

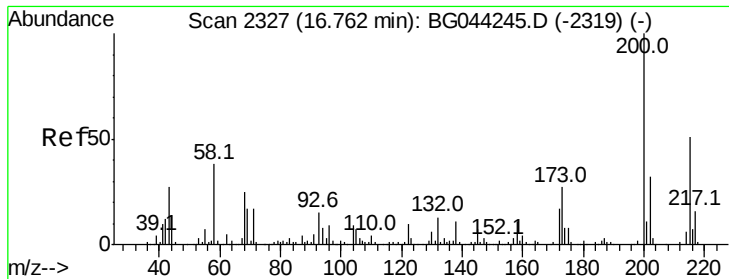
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





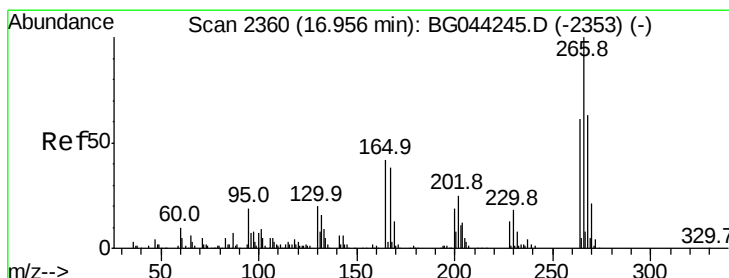
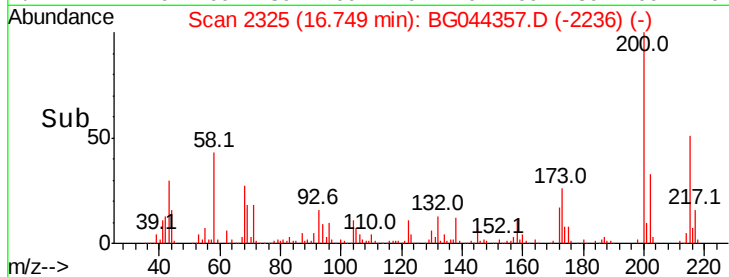
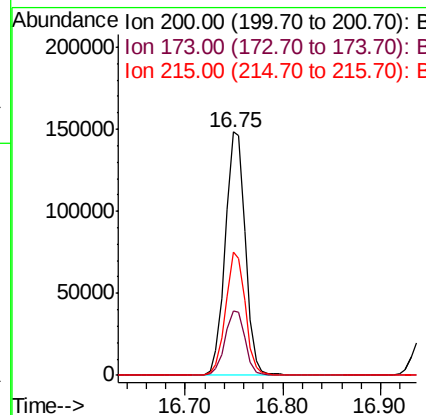
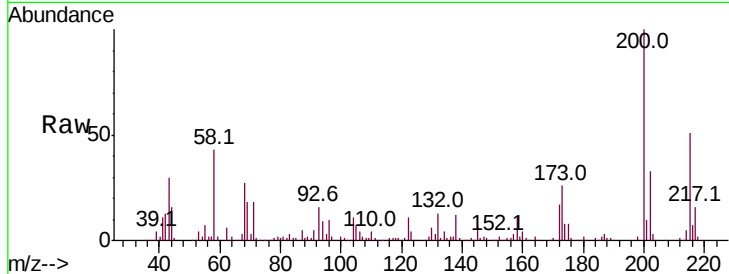
#69
Atrazine
Concen: 46.534 ng
RT: 16.75 min Scan# 2325
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.5	6.6	46.6
215	50.9	31.0	71.0

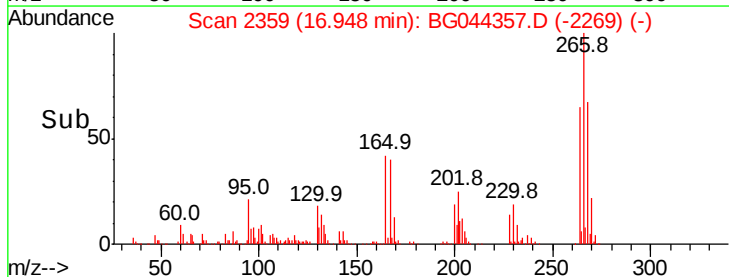
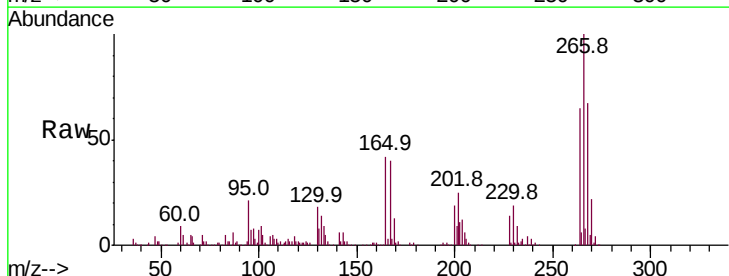
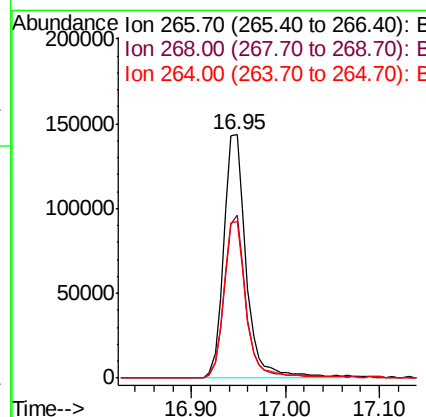
Manual Integrations
APPROVED

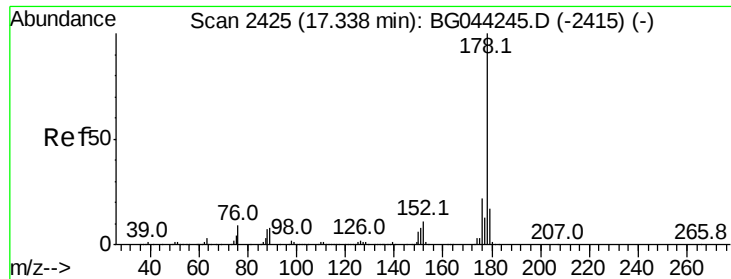
mohammad
2/12/2020 9:49:30 AM



#70
Pentachlorophenol
Concen: 82.271 ng
RT: 16.95 min Scan# 2359
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	66.7	50.6	75.8
264	64.5	48.7	73.1





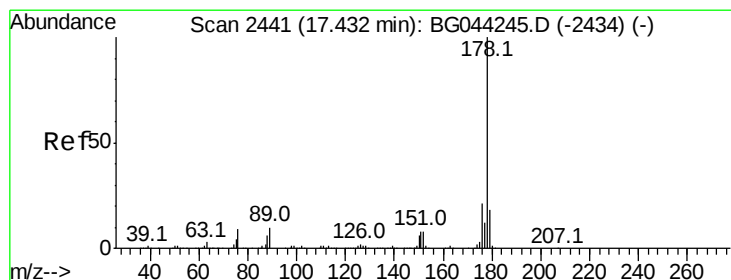
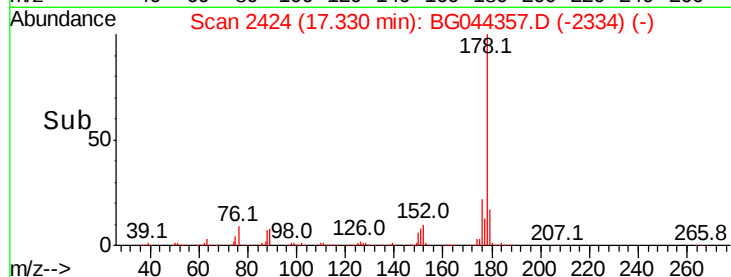
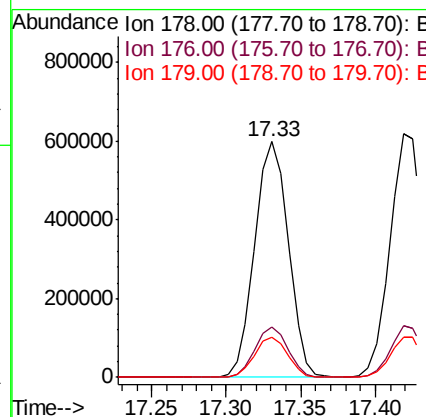
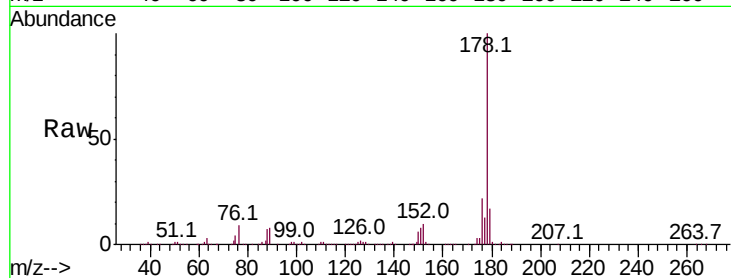
#71
Phenanthrene
Concen: 40.796 ng
RT: 17.33 min Scan# 2424
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.6	17.7	26.5
179	17.2	13.7	20.5

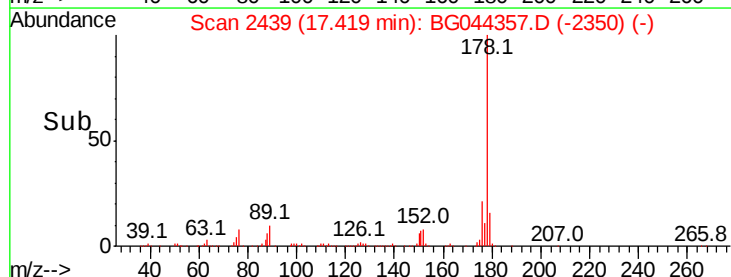
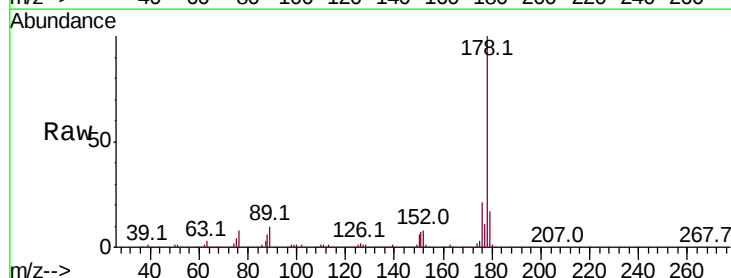
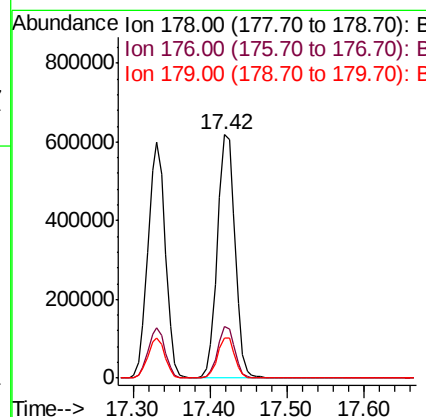
Manual Integrations
APPROVED

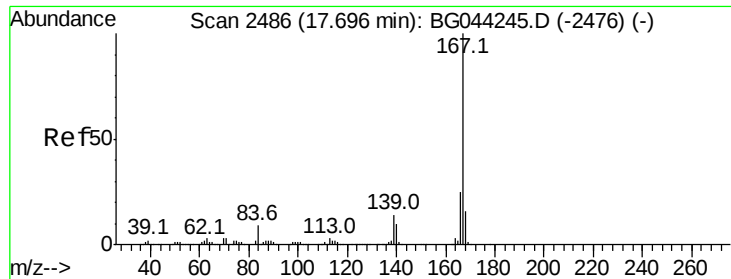
mohammad
2/12/2020 9:49:30 AM



#72
Anthracene
Concen: 42.696 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	17.0	25.4
179	16.5	14.4	21.6





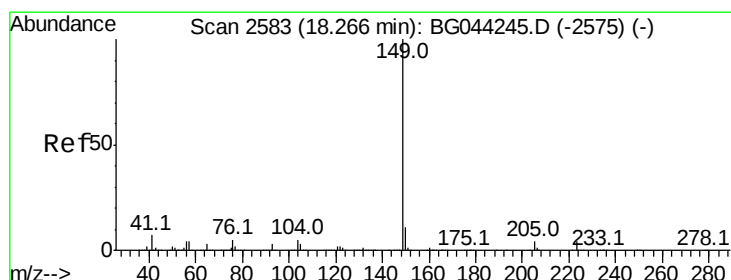
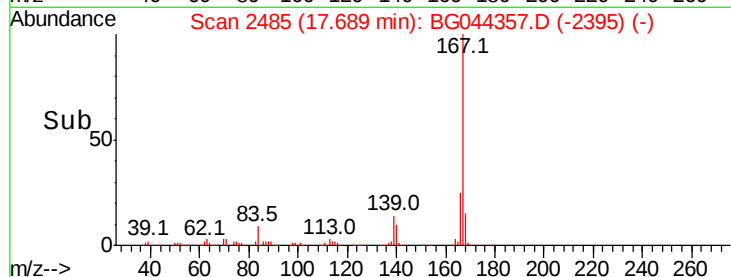
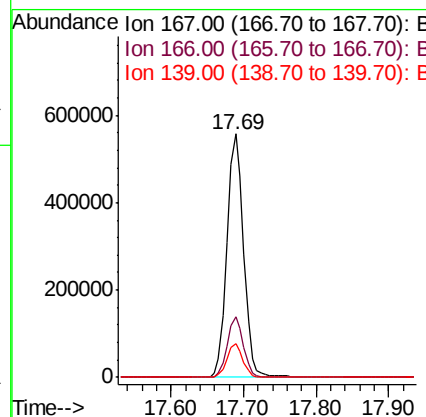
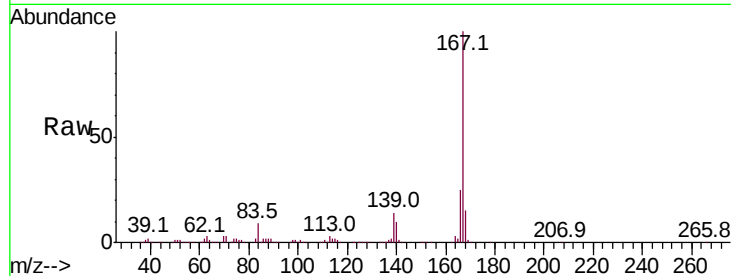
#73
 Carbazole
 Concen: 42.652 ng
 RT: 17.69 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.0	19.8	29.6
139	13.7	11.1	16.7

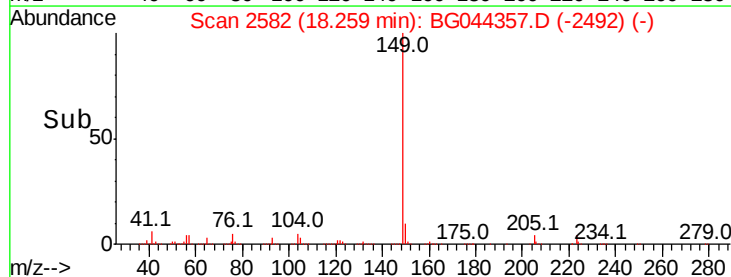
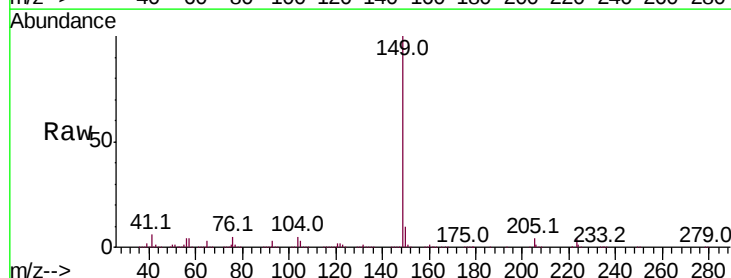
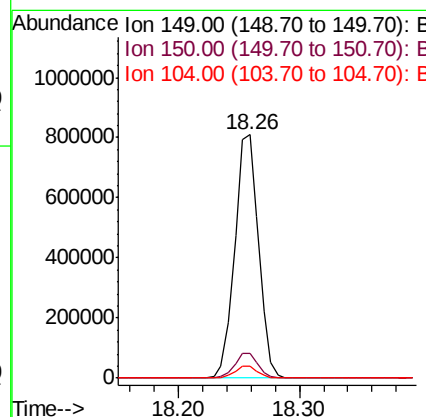
Manual Integrations
 APPROVED

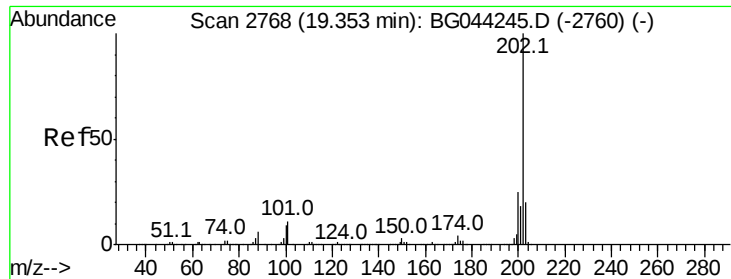
mohammad
 2/12/2020 9:49:30 AM



#74
 Di-n-butylphthalate
 Concen: 42.994 ng
 RT: 18.26 min Scan# 2582
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.7	13.1
104	5.1	4.3	6.5





#75

Fluoranthene

Concen: 43.941 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

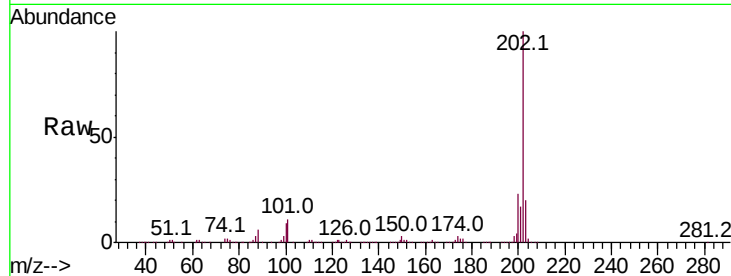
ClientSampled :

PB126601BS

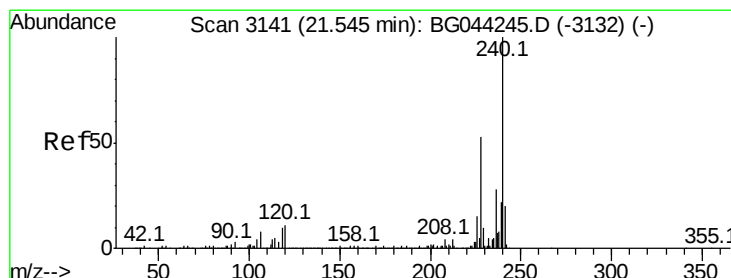
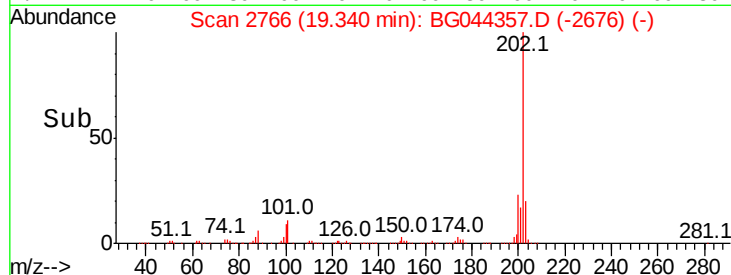
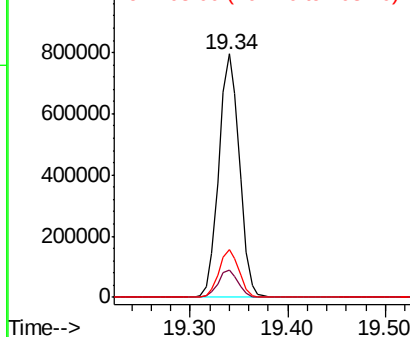
Tot Ion:	202	Resp:	1164154
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.3
203	19.6	0.0	39.9

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

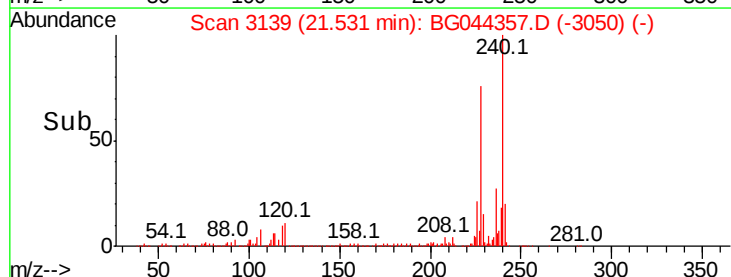
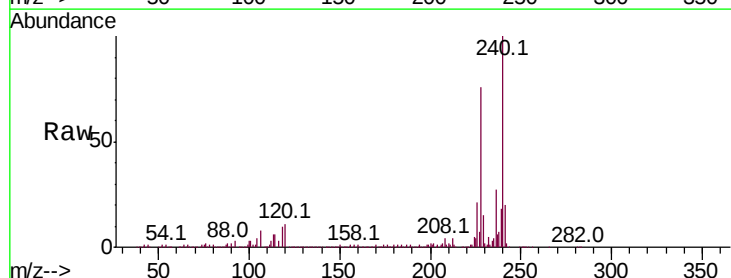
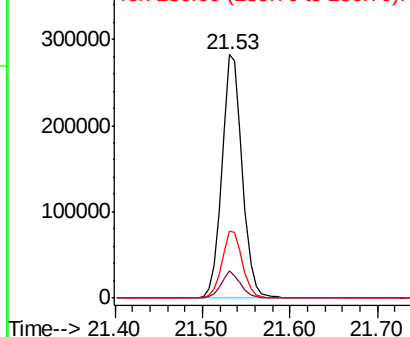
Delta R.T. -0.01 min

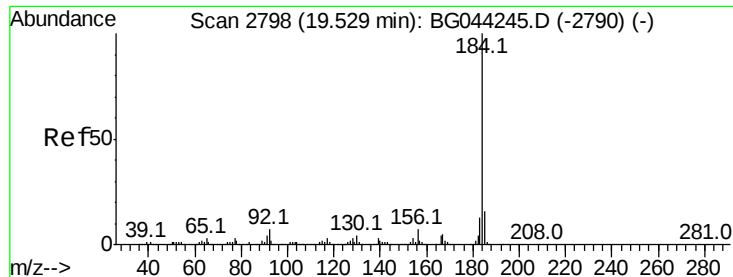
Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	240	Resp:	447777
Ion Ratio	Lower	Upper	
240	100		
120	11.0	8.4	12.6
236	27.4	22.1	33.1

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: 46.927 ng

RT: 19.52 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

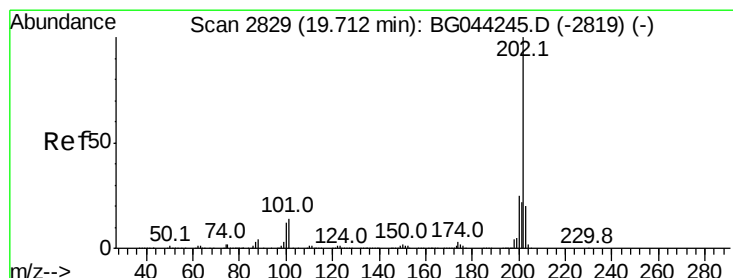
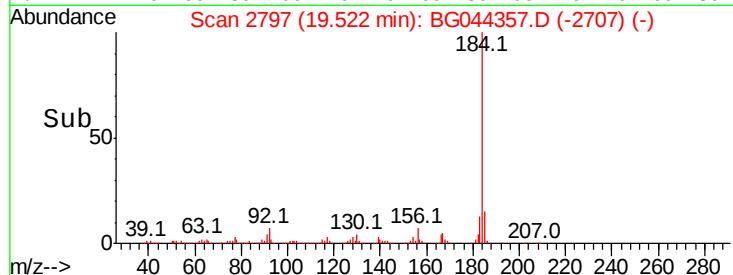
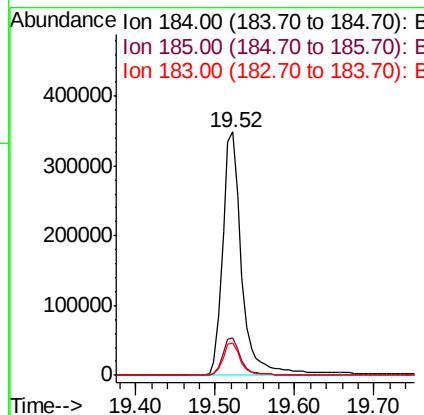
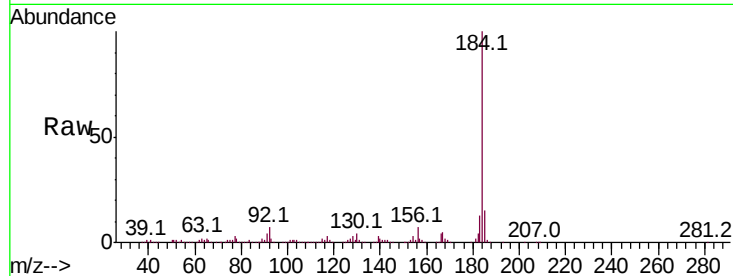
ClientSampleId :

PB126601BS

Tot Ion:	184	Resp:	582849
Ion Ratio	Lower	Upper	
184	100		
185	15.3	12.9	19.3
183	13.3	10.8	16.2

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#78

Pyrene

Concen: 40.502 ng

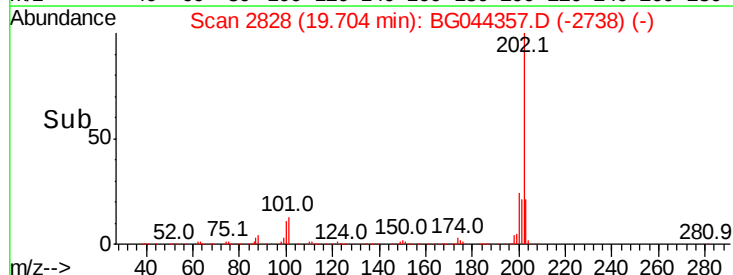
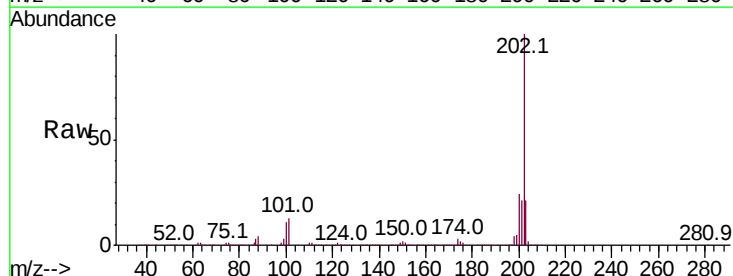
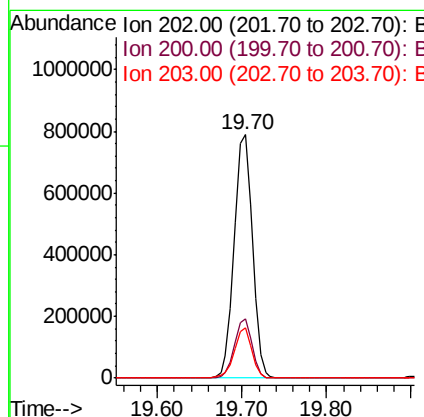
RT: 19.70 min Scan# 2828

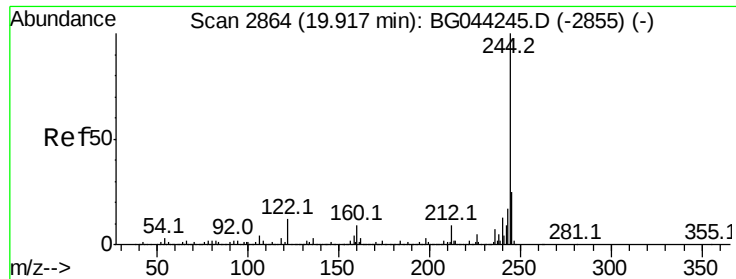
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	202	Resp:	1164695
Ion Ratio	Lower	Upper	
202	100		
200	24.5	20.0	30.0
203	20.7	16.2	24.2





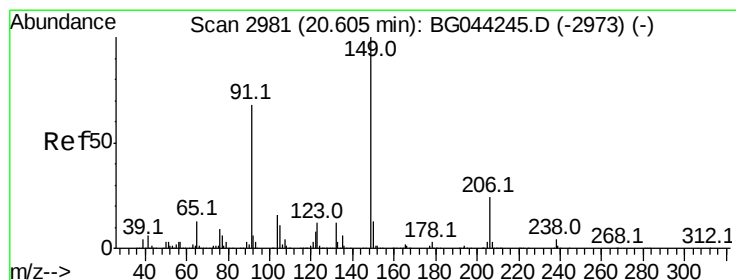
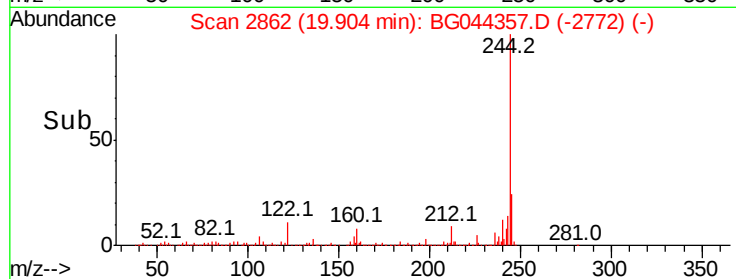
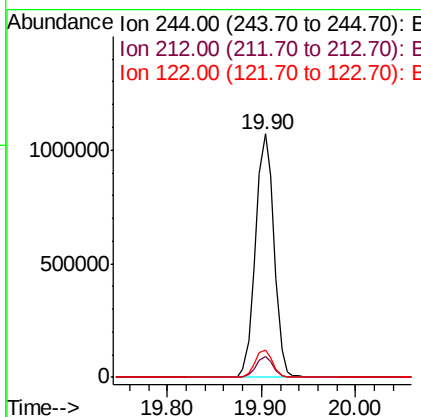
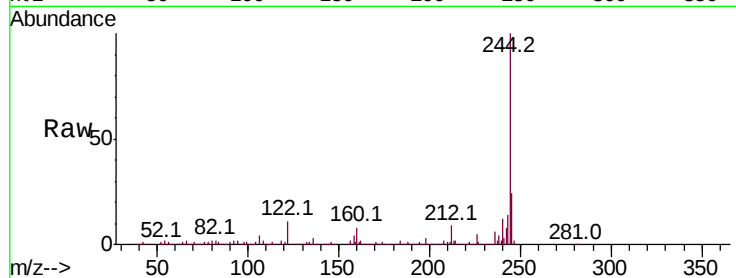
#79
 Terphenyl-d14
 Concen: 66.986 ng
 RT: 19.90 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.4	11.2
122	11.3	9.8	14.6

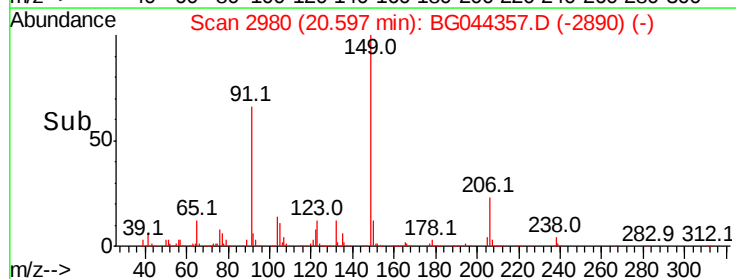
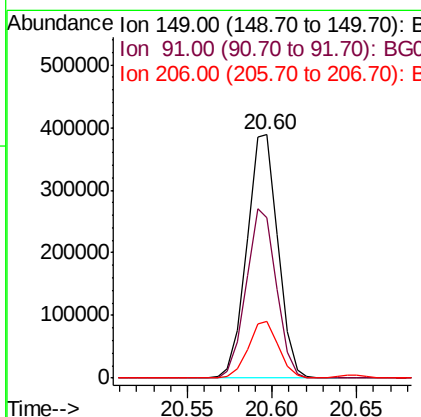
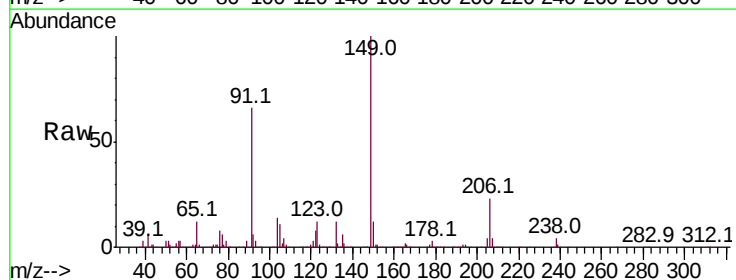
Manual Integrations
 APPROVED

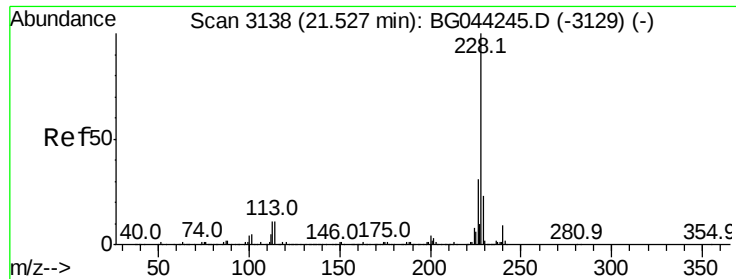
mohammad
 2/12/2020 9:49:30 AM



#80
 Butylbenzylphthalate
 Concen: 38.007 ng
 RT: 20.60 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.9	54.5	81.7
206	23.4	19.1	28.7





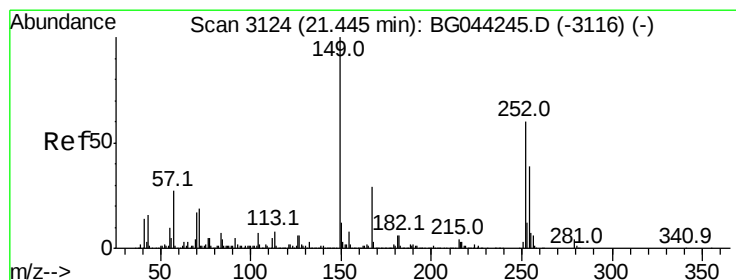
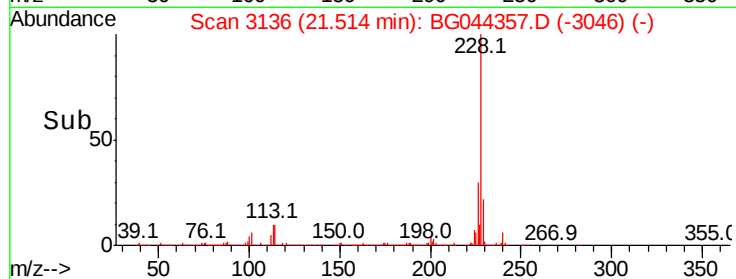
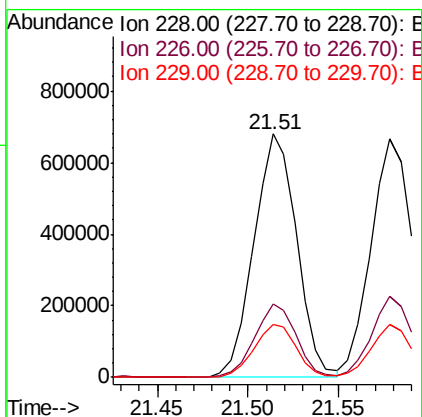
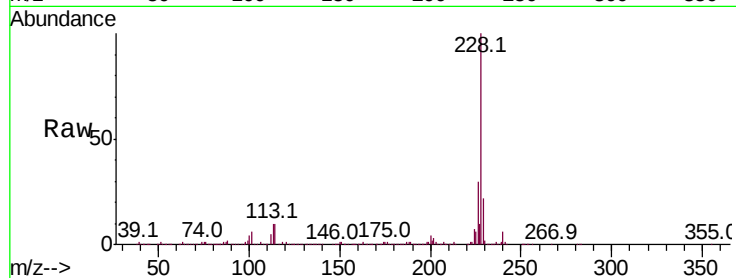
#81
Benzo(a)anthracene
Concen: 40.343 ng
RT: 21.51 min Scan# 3136
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	21.9	18.2	27.4

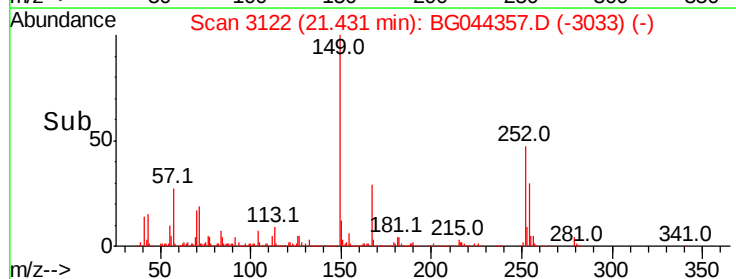
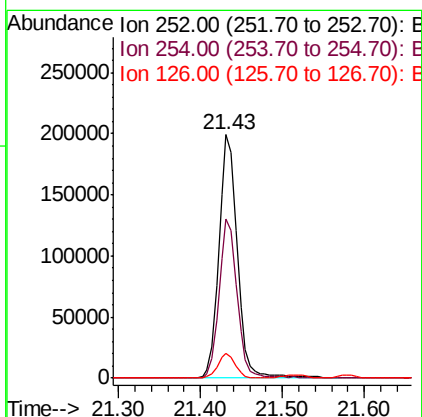
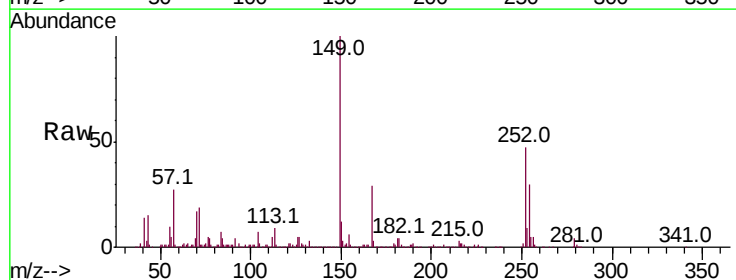
Manual Integrations
APPROVED

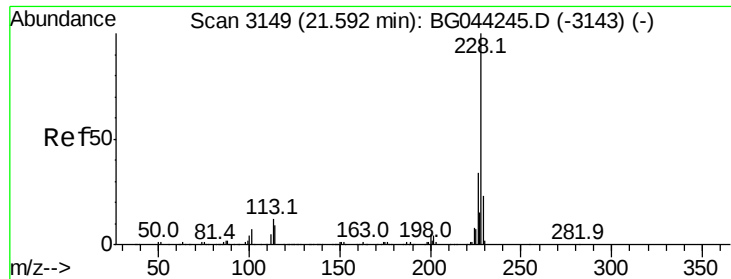
mohammad
2/12/2020 9:49:30 AM



#82
3,3'-Dichlorobenzidine
Concen: 29.190 ng
RT: 21.43 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.2	52.6	78.8
126	10.1	8.2	12.4





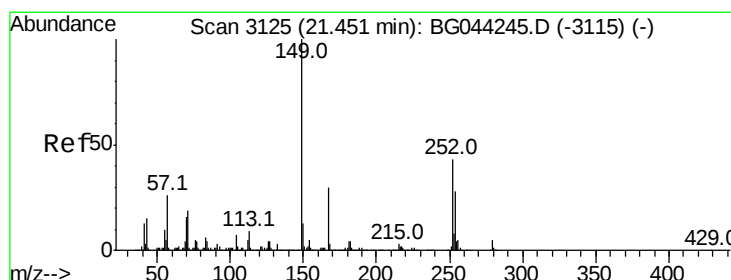
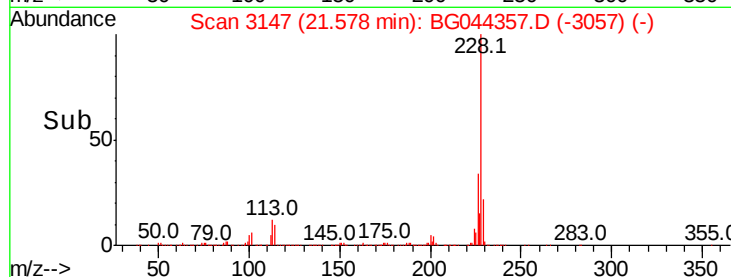
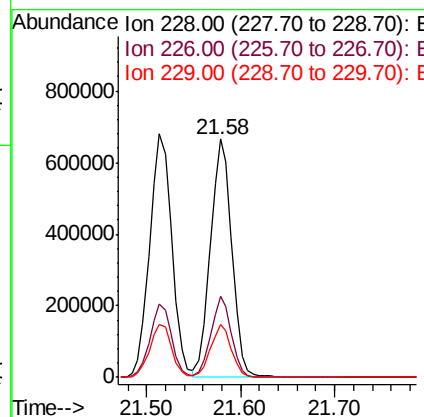
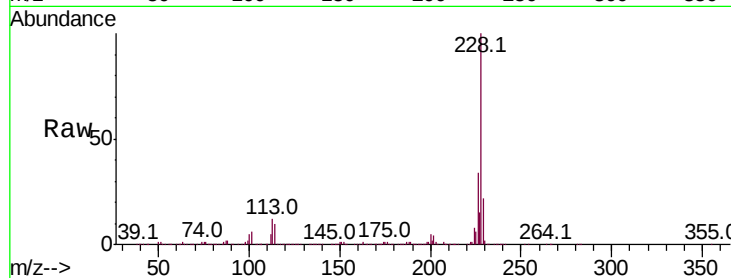
#83
 Chrvsene
 Concen: 39.742 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Instrument :
 BNA_G
 ClientSampleId :
 PB126601BS

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

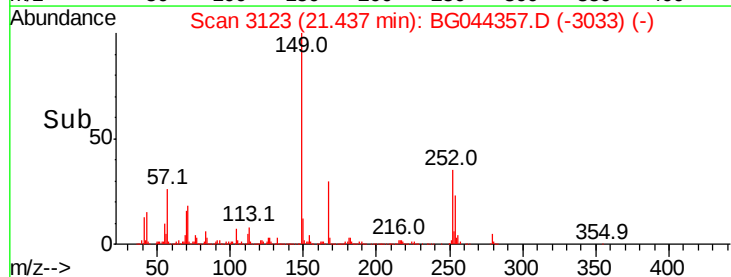
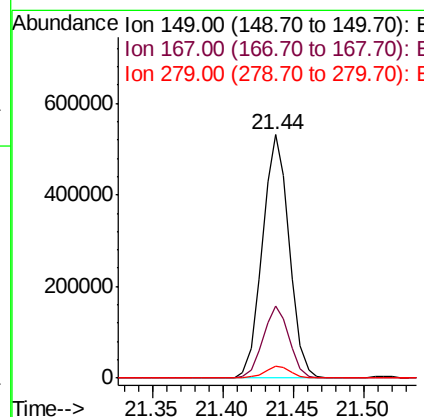
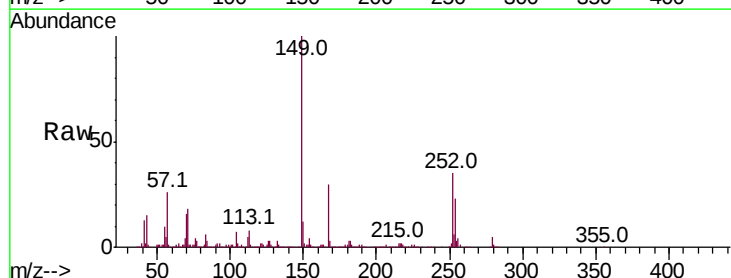
Manual Integrations
 APPROVED

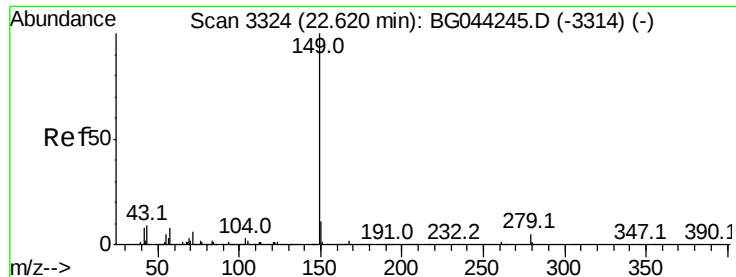
mohammad
 2/12/2020 9:49:30 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.190 ng
 RT: 21.44 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: BG044357.D
 Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	24.0	36.0
279	4.7	3.8	5.8





#85

Di-n-octyl phthalate

Concen: 39.690 ng

RT: 22.60 min Scan# 3321

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

ClientSampleId :

PB126601BS

Tot Ion:149 Resp: 1238680

Ion Ratio Lower Upper

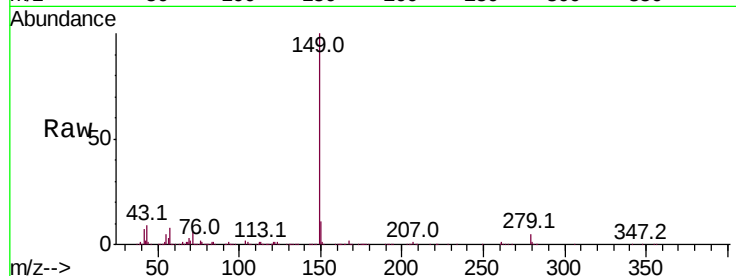
149 100

167 1.7 1.3 1.9

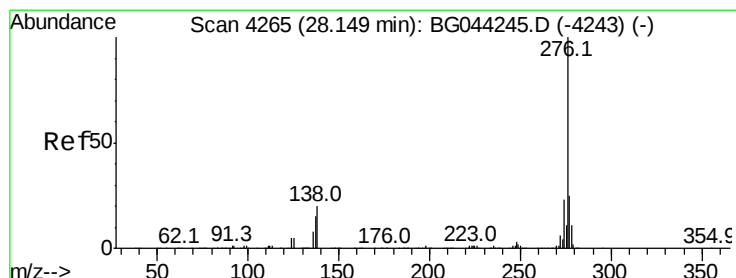
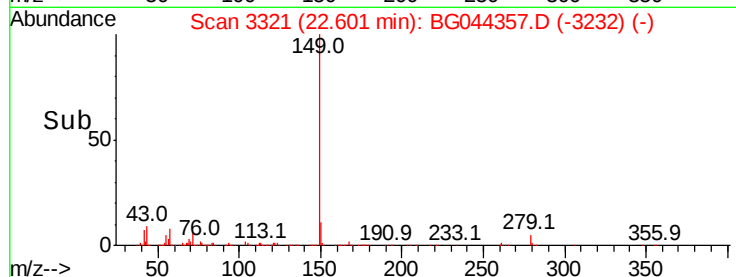
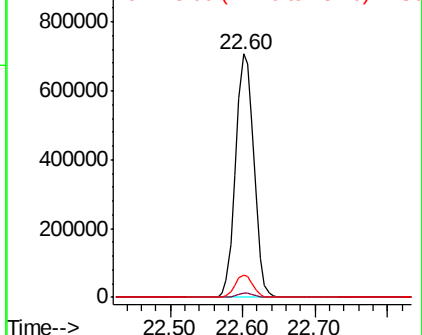
43 8.8 7.4 11.0

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.298 ng

RT: 28.11 min Scan# 4259

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

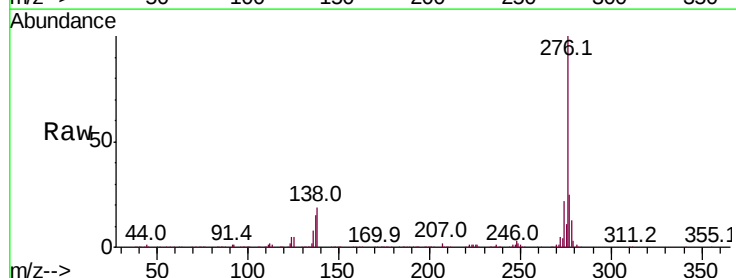
Tgt Ion:276 Resp: 1367636

Ion Ratio Lower Upper

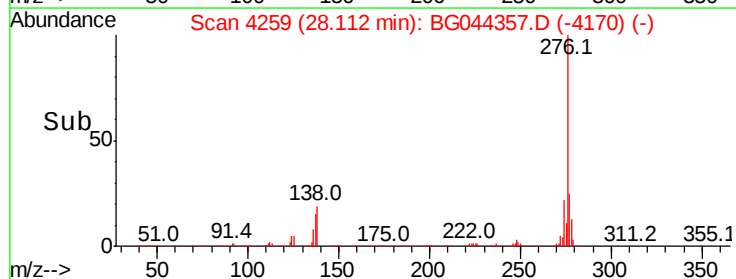
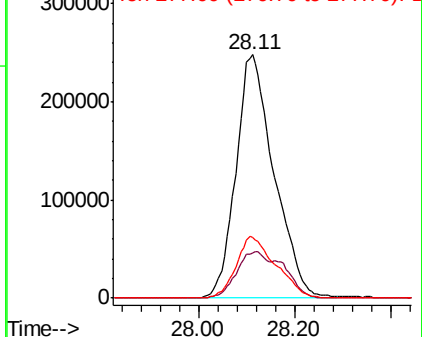
276 100

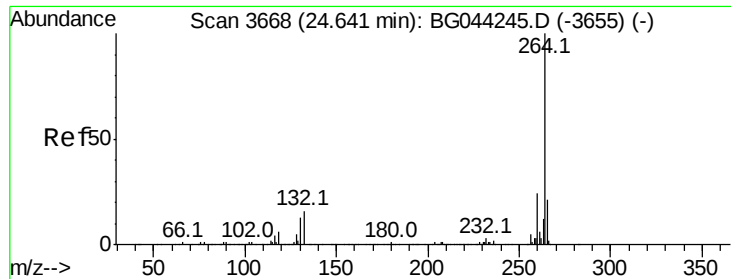
138 23.8 19.4 29.0

277 26.4 21.0 31.6



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.62 min Scan# 3664

Delta R.T. -0.01 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

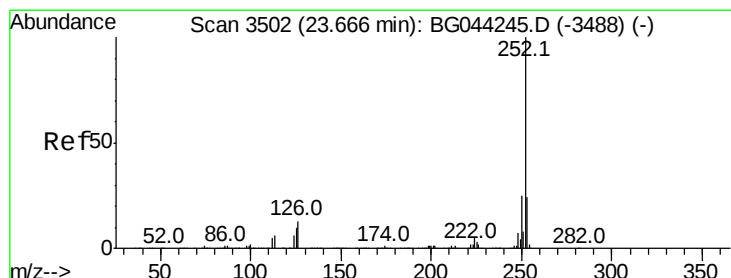
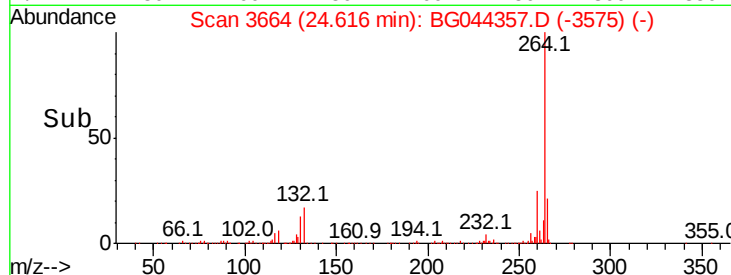
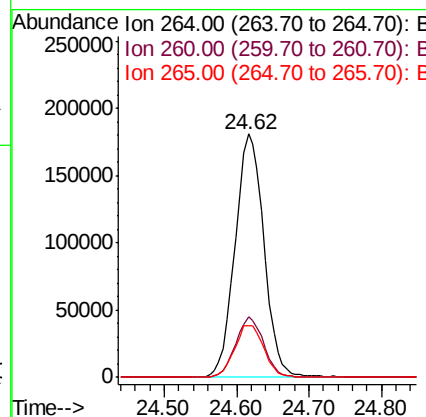
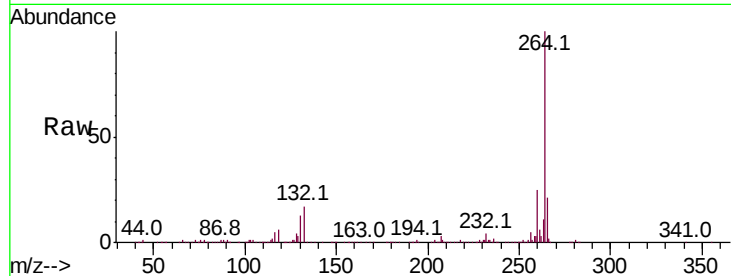
ClientSampleId :

PB126601BS

Tot Ion:	264	Resp:	500905
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.4	29.2
265	21.1	16.7	25.1

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#88

Benzo(b)fluoranthene

Concen: 40.557 ng

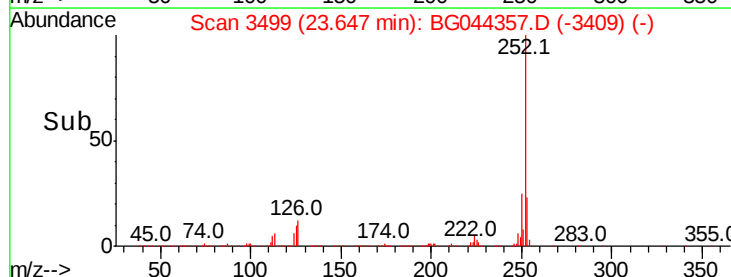
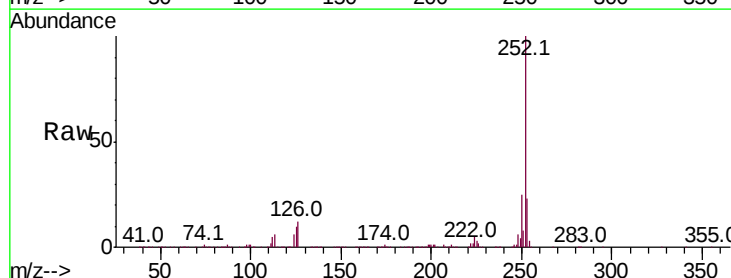
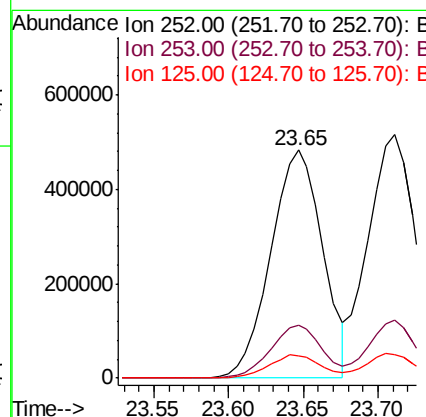
RT: 23.65 min Scan# 3499

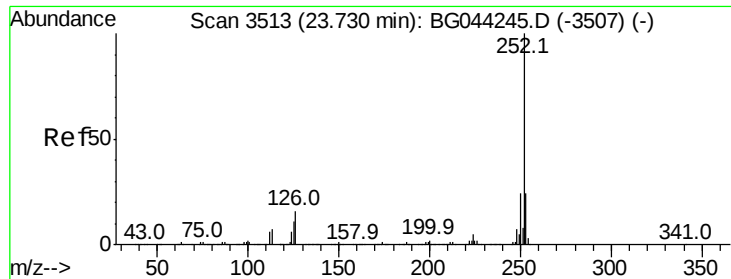
Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:	252	Resp:	1170625
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.2	28.8
125	9.7	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 41.390 ng

RT: 23.71 min Scan# 3510

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Instrument :

BNA_G

ClientSampleId :

PB126601BS

Tot Ion:252 Resp: 1164382

Ion Ratio Lower Upper

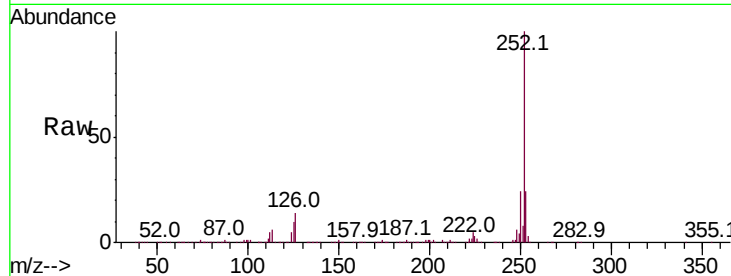
252 100

253 23.8 19.1 28.7

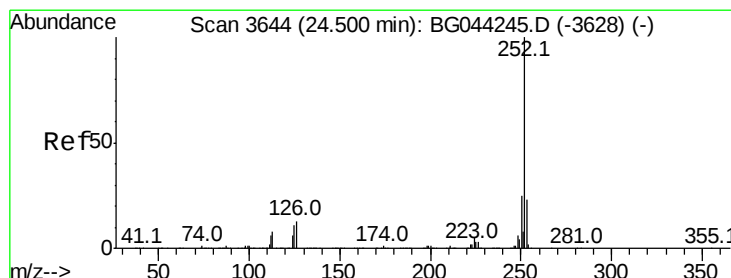
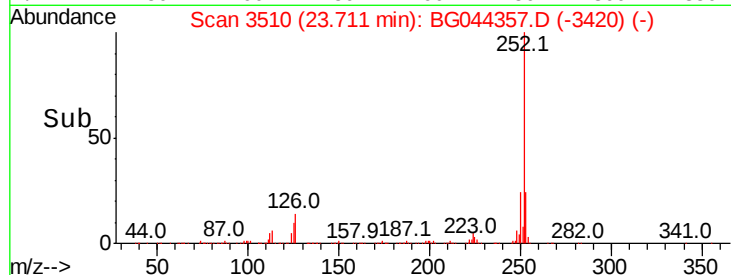
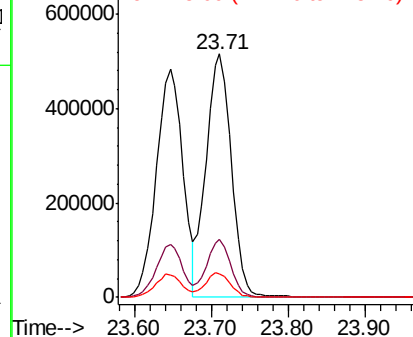
125 9.9 8.6 12.8

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 39.955 ng

RT: 24.47 min Scan# 3640

Delta R.T. 0.00 min

Lab File: BG044357.D

Acq: 10 Feb 2020 15:24

Tgt Ion:252 Resp: 1090389

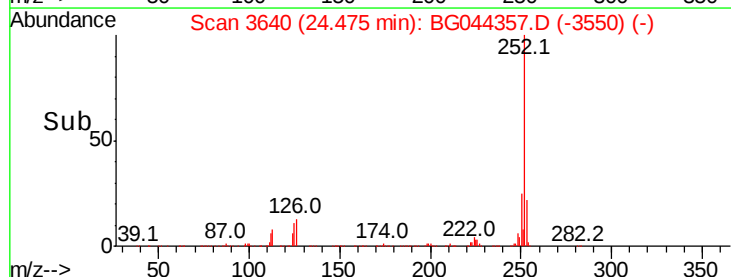
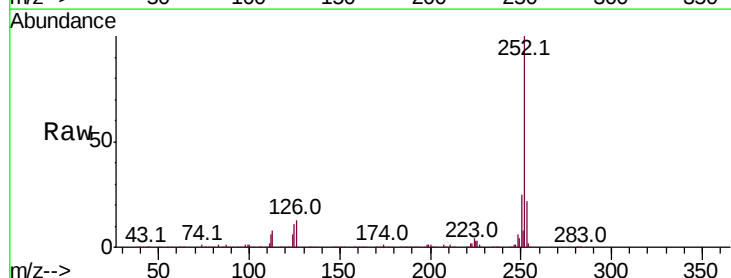
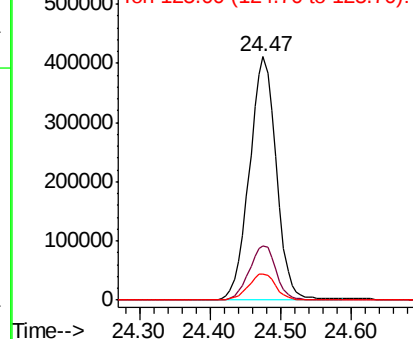
Ion Ratio Lower Upper

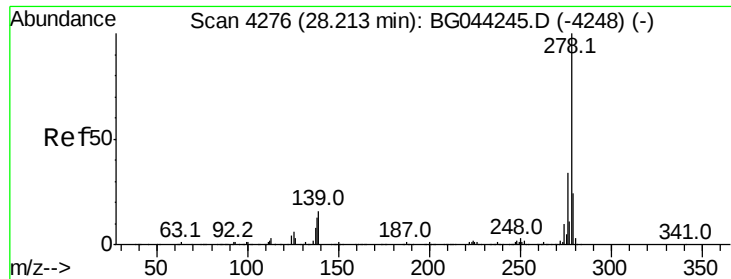
252 100

253 22.1 18.1 27.1

125 10.7 8.6 13.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





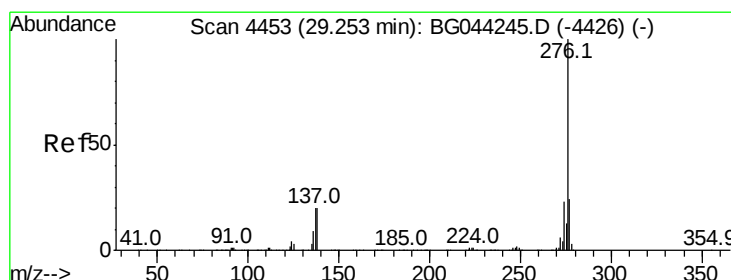
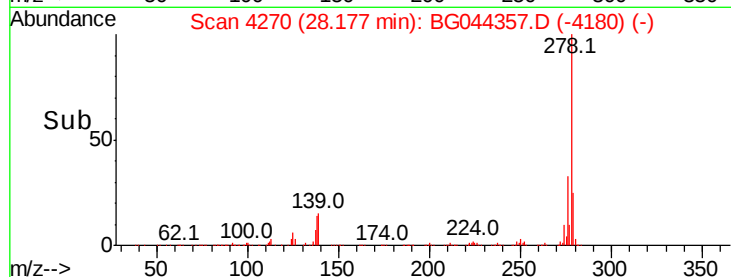
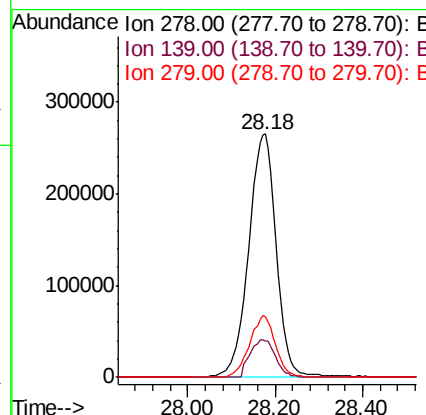
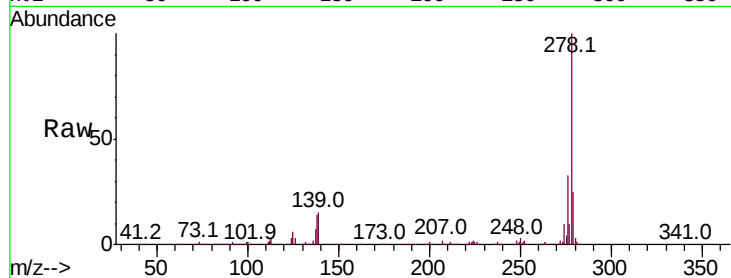
#91
Dibenzo(a,h)anthracene
Concen: 41.726 ng
RT: 28.18 min Scan# 4270
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Instrument :
BNA_G
ClientSampleId :
PB126601BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.7	19.1
279	24.8	19.3	28.9

Manual Integrations
APPROVED

mohammad
2/12/2020 9:49:30 AM



#92
Benzo(g,h,i)perylene
Concen: 42.505 ng
RT: 29.20 min Scan# 4445
Delta R.T. 0.00 min
Lab File: BG044357.D
Acq: 10 Feb 2020 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	20.4	16.2	24.2

