

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
 Data File : BG045818.D
 Acq On : 19 Jun 2020 16:46
 Operator : CG/JU
 Sample : L3033-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0572-200616

Manual Integrations
 APPROVED

mohammad
 6/22/2020 3:24:21 PM

Quant Time: Jun 20 00:50:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	48053	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	186217	20.00	ng	0.01
39) Acenaphthene-d10	14.57	164	121947	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	265603	20.00	ng	0.00
76) Chrysene-d12	21.58	240	274118	20.00	ng	0.00
86) Perylene-d12	24.70	264	296159	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	159336	56.01	ng	0.02
7) Phenol-d6	7.18	99	154976	35.82	ng	0.01
23) Nitrobenzene-d5	9.10	82	343006	84.15	ng	0.01
42) 2,4,6-Tribromophenol	16.08	330	236533	128.47	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	726016	87.49	ng	0.01
79) Terphenyl-d14	19.94	244	1149364	84.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.39	88	4826625	3704.605	ng	# 86
9) Benzaldehyde	7.07	77	6208	2.389	ng	# 15
10) Phenol	7.21	94	785770	187.420	ng	95
11) bis(2-Chloroethyl)ether	7.35	93	1140376	358.103	ng	98
12) 1,3-Dichlorobenzene	7.81	146	51143	14.094	ng	94
13) 1,4-Dichlorobenzene	7.96	146	239675	66.128	ng	96
14) 1,2-Dichlorobenzene	8.28	146	1066845	307.463	ng	95
17) 2-Methylphenol	8.44	107	1050878	336.807	ng	95
20) 3+4-Methylphenols	8.83	107	6196378	1510.047	ng	# 73
27) 2,4-Dimethylphenol	10.03	122	2738140	990.465	ng	95
31) Naphthalene	10.79	128	464618	45.637	ng	98
37) 2-Methylnaphthalene	12.40	142	50453m	6.655	ng	
38) 1-Methylnaphthalene	12.62	142	29964	4.177	ng	# 99
46) 1,1'-Biphenyl	13.43	154	68670	7.865	ng	90
50) Dimethylphthalate	14.03	163	75524	7.906	ng	97
60) Diethylphthalate	15.40	149	65474	6.704	ng	95

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

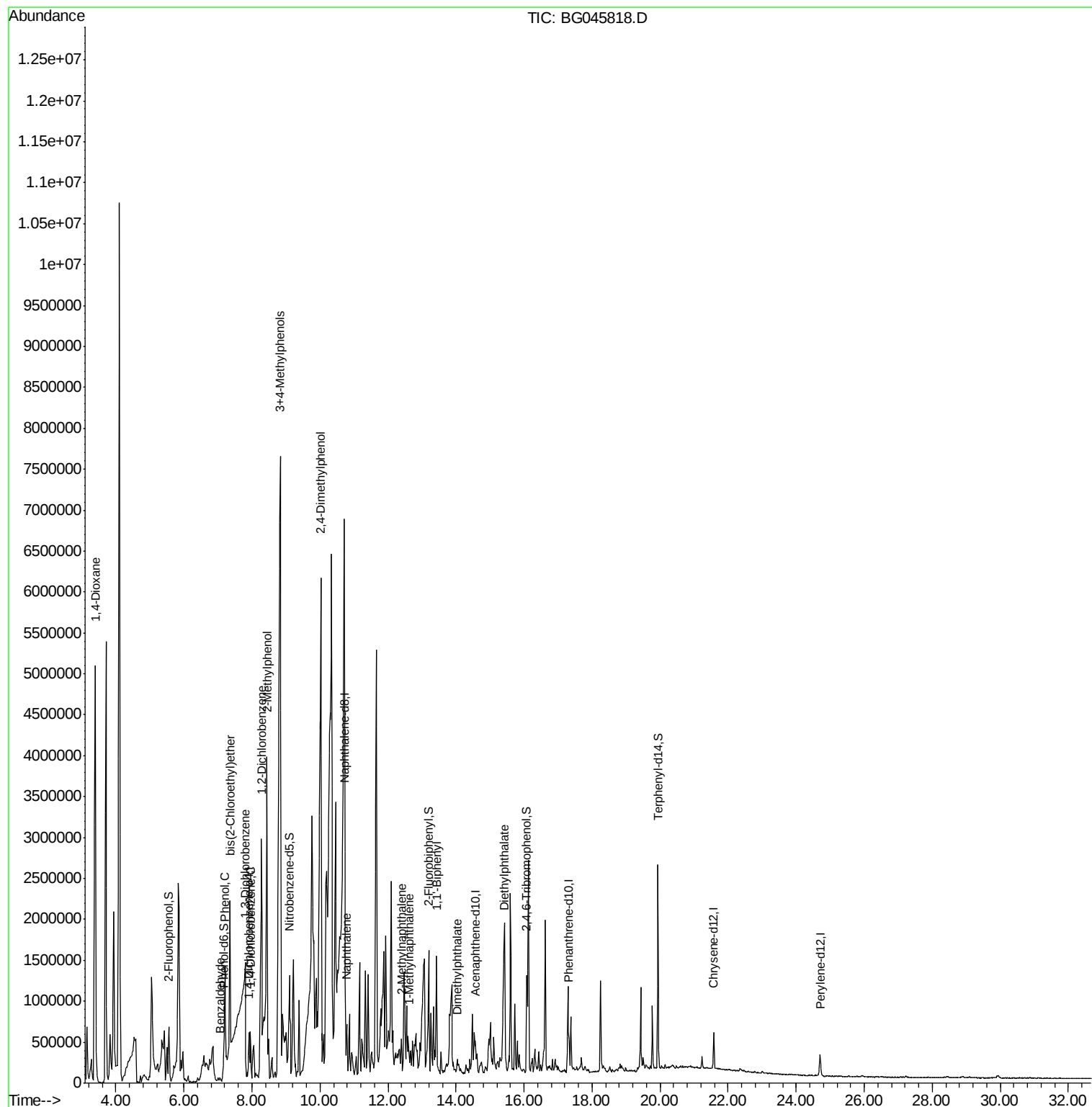
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
Data File : BG045818.D
Acq On : 19 Jun 2020 16:46
Operator : CG/JU
Sample : L3033-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

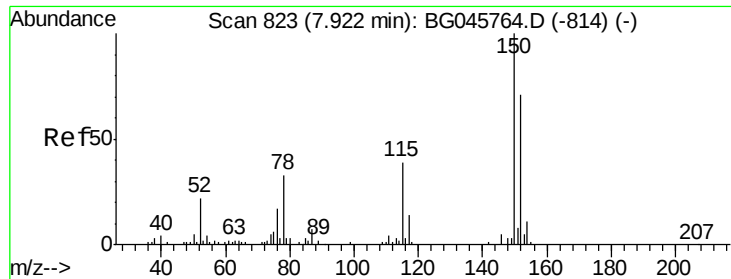
Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM

Quant Time: Jun 20 00:50:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 18:34:19 2020
Response via : Initial Calibration





#1

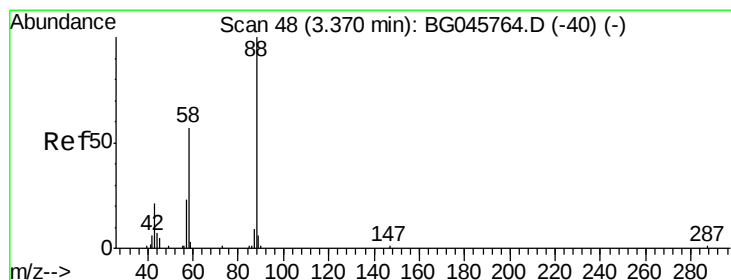
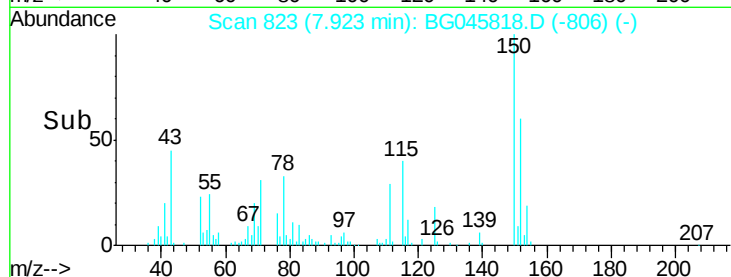
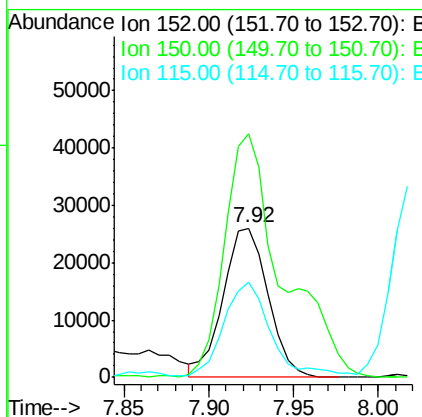
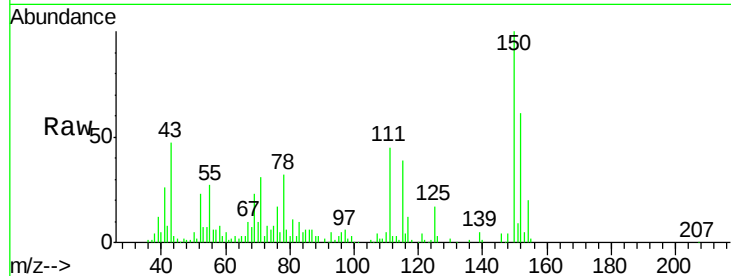
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	113.1	169.7
115	64.2	43.8	65.6

Manual Integrations
APPROVED

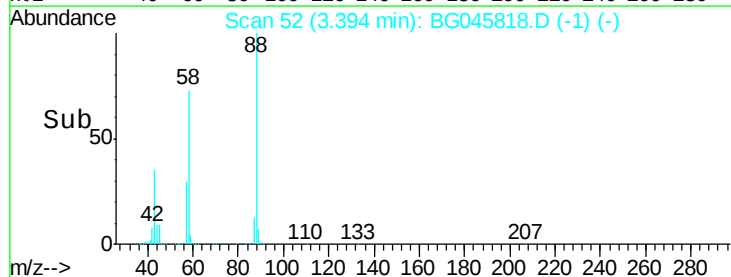
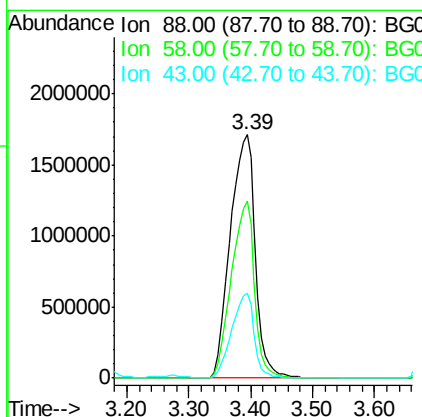
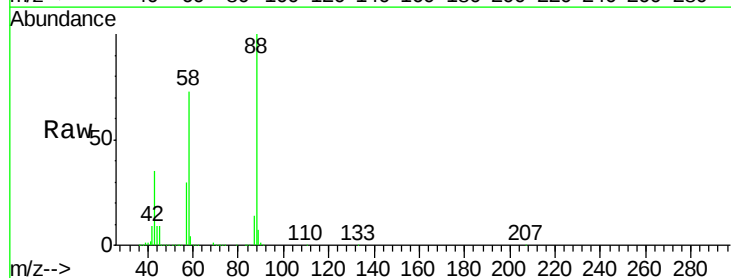
mohammad
6/22/2020 3:24:21 PM

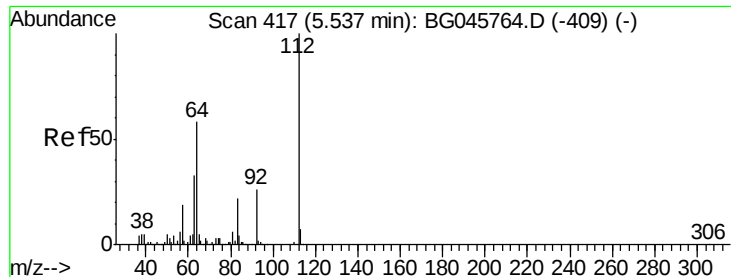


#2

1,4-Dioxane
Concen: 3704.605 ng
RT: 3.39 min Scan# 52
Delta R.T. 0.02 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.3	46.1	69.1
43	31.2	19.2	28.8





#5

2-Fluorophenol

Concen: 56.012 ng

RT: 5.56 min Scan# 420

Delta R.T. 0.02 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

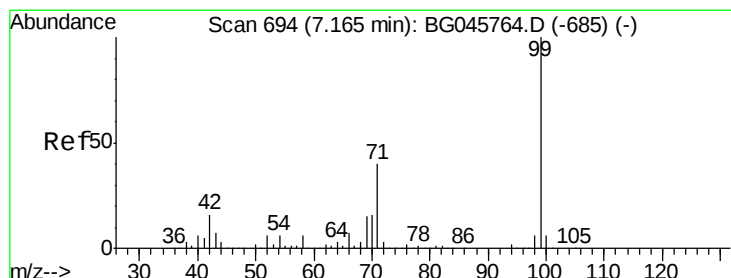
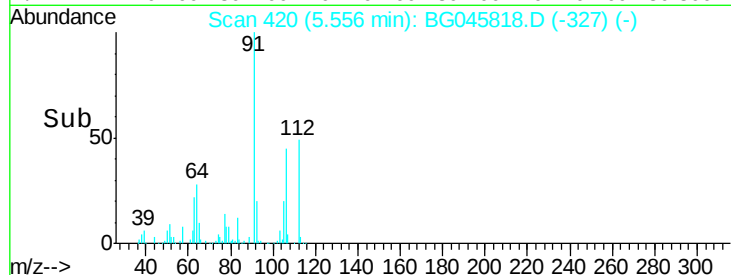
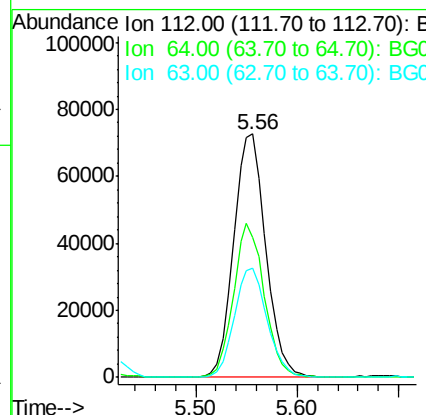
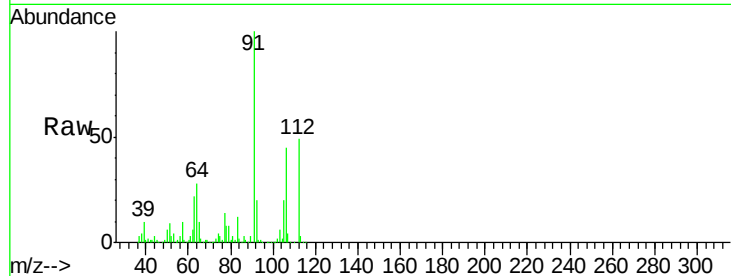
ClientSampleId :

Z1-DUP-0572-200616

Tot Ion	Ratio	Resp	Lower	Upper
112	100	159336		
64	57.7	46.6	69.8	
63	45.1	26.3	39.5	

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM



#7

Phenol-d6

Concen: 35.816 ng

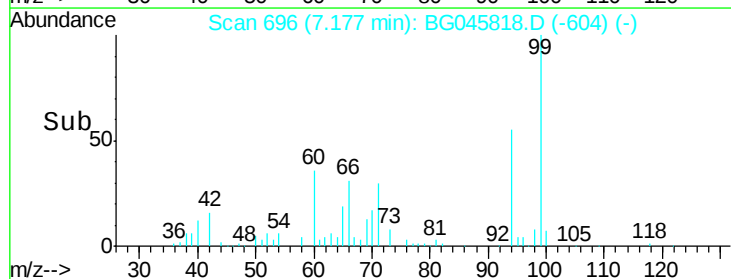
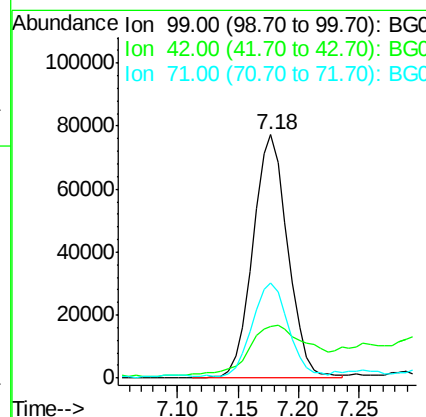
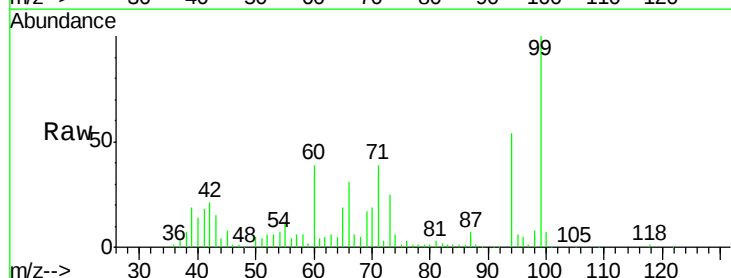
RT: 7.18 min Scan# 696

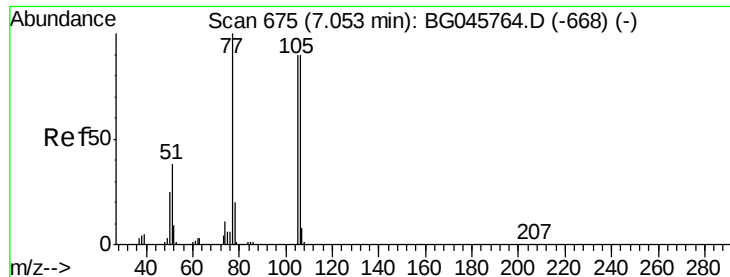
Delta R.T. 0.01 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	154976		
42	21.2	12.4	18.6	
71	39.1	32.1	48.1	





#9

Benzaldehyde

Concen: 2.389 ng

RT: 7.07 min Scan# 677

Delta R.T. 0.01 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

ClientSampleId :

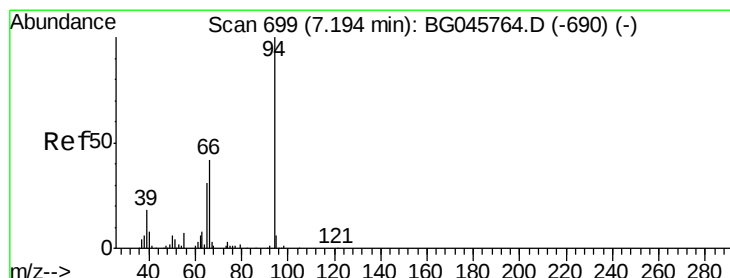
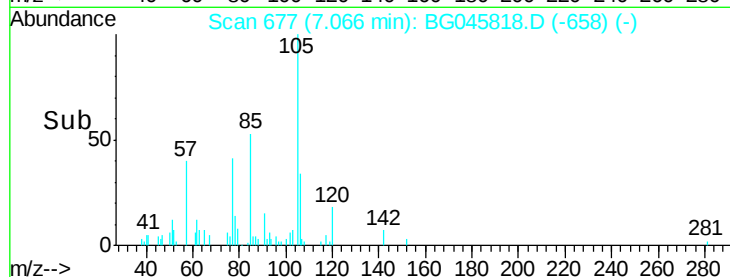
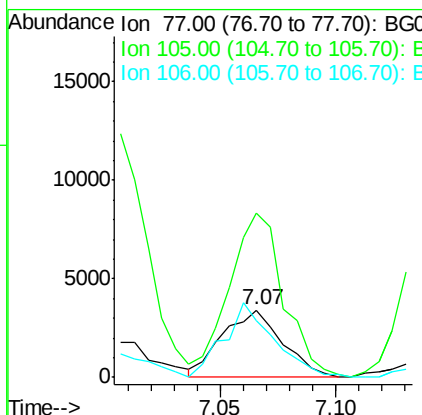
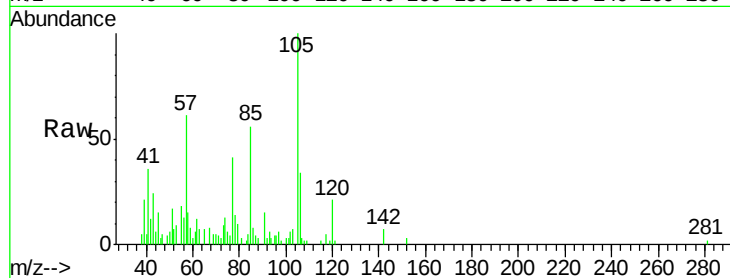
Z1-DUP-0572-200616

Tot Ion: 77 Resp: 6208

Ion	Ratio	Lower	Upper
77	100		
105	245.4	70.4	110.4#
106	83.9	70.2	110.2

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM



#10

Phenol

Concen: 187.420 ng

RT: 7.21 min Scan# 701

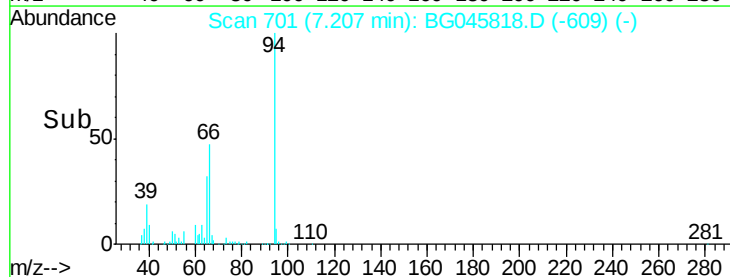
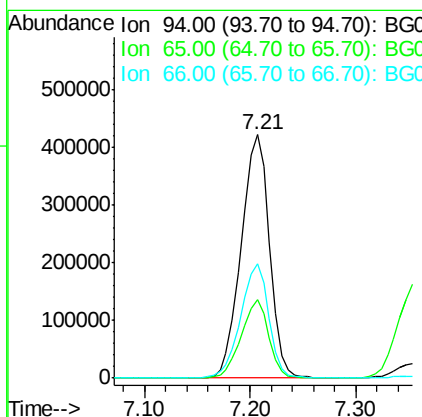
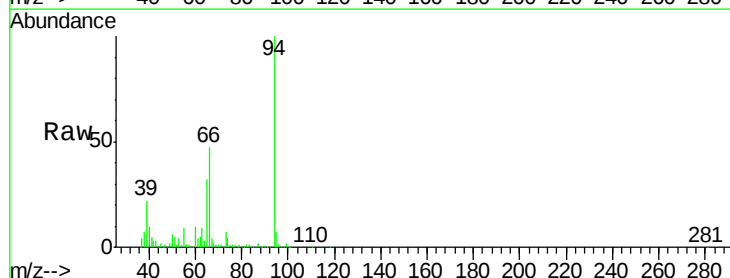
Delta R.T. 0.01 min

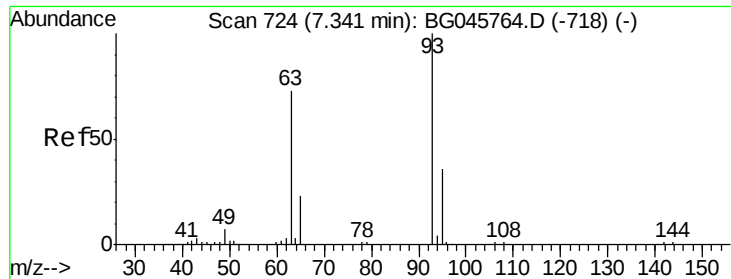
Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Tgt Ion: 94 Resp: 785770

Ion	Ratio	Lower	Upper
94	100		
65	32.2	10.7	50.7
66	46.8	22.5	62.5





#11

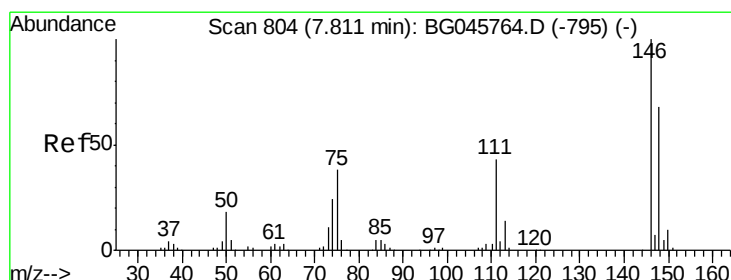
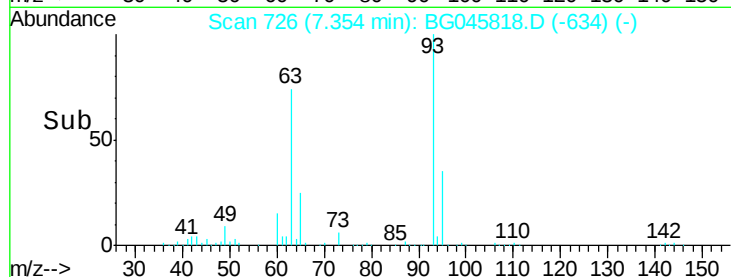
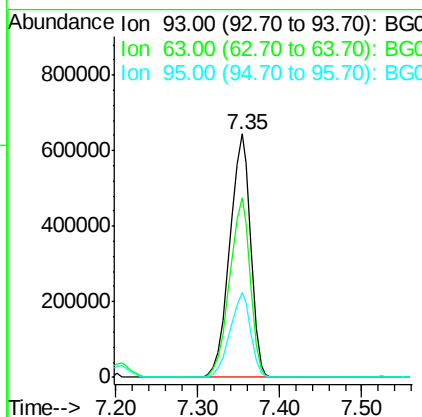
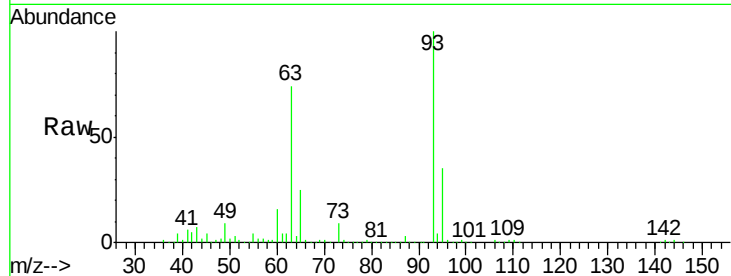
bis(2-Chloroethyl)ether
Concen: 358.103 ng
RT: 7.35 min Scan# 726
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.9	52.0	92.0
95	35.0	15.6	55.6

Manual Integrations
APPROVED

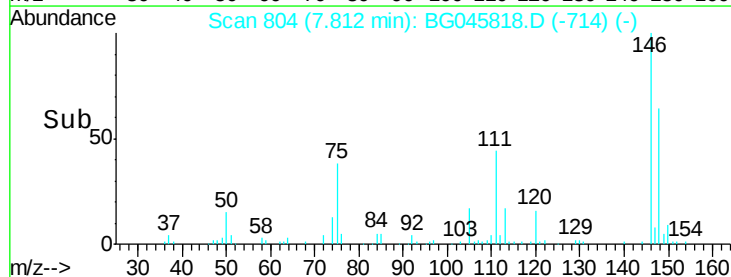
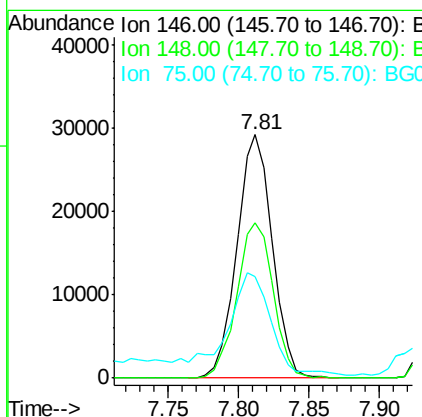
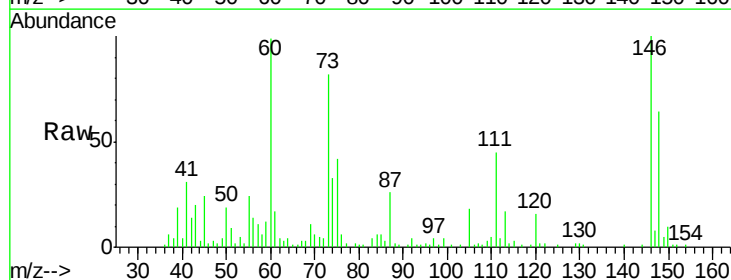
mohammad
6/22/2020 3:24:21 PM

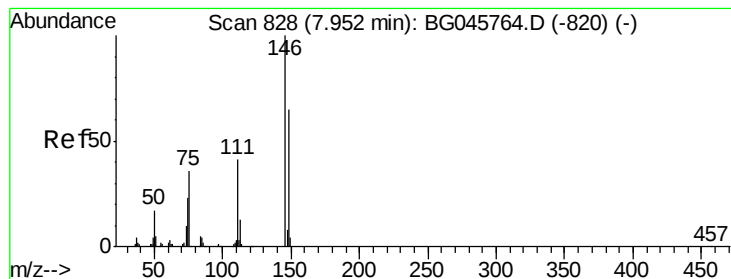


#12

1,3-Dichlorobenzene
Concen: 14.094 ng
RT: 7.81 min Scan# 804
Delta R.T. 0.00 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	54.2	81.4
75	41.9	30.1	45.1





#13

1,4-Dichlorobenzene

Concen: 66.128 ng

RT: 7.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

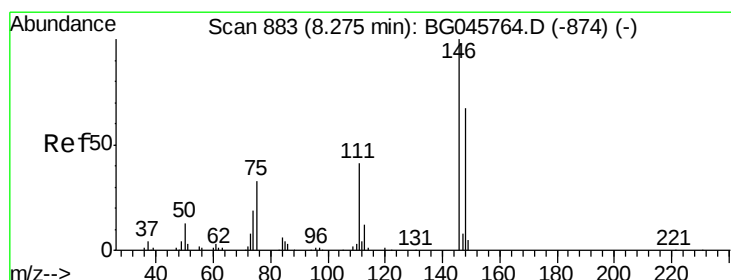
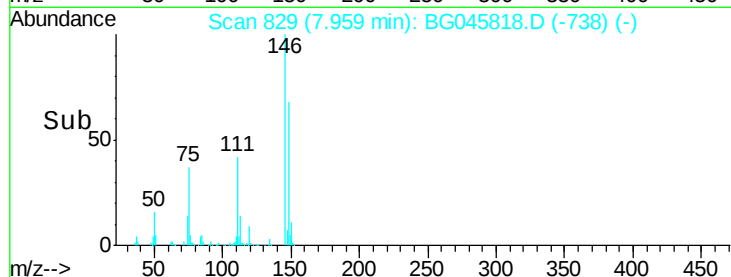
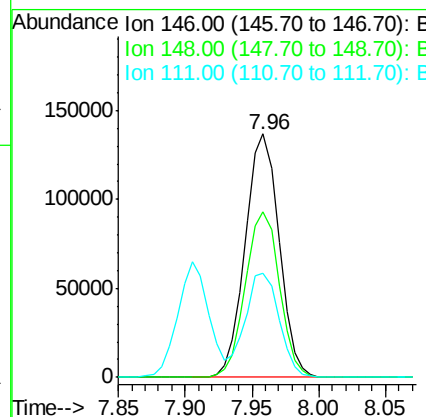
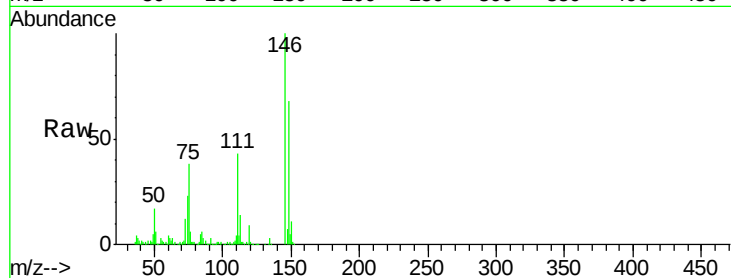
ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:	146	Resp:	239675
Ion Ratio	Lower	Upper	
146	100		
148	68.1	51.8	77.6
111	42.5	32.8	49.2

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM



#14

1,2-Dichlorobenzene

Concen: 307.463 ng

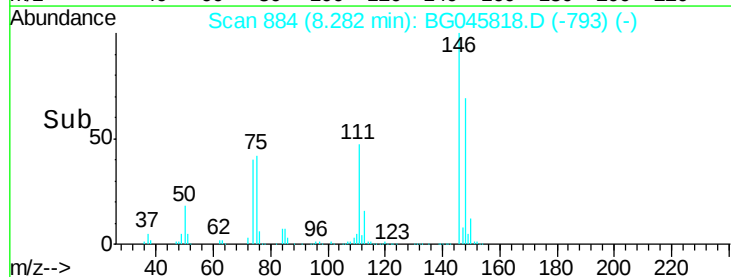
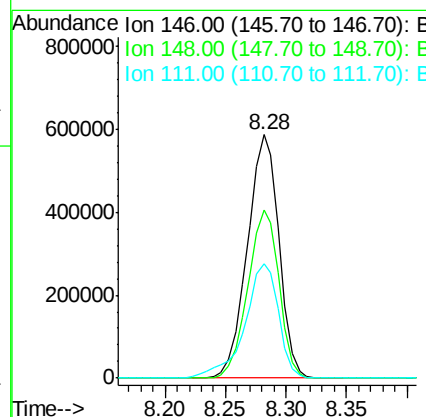
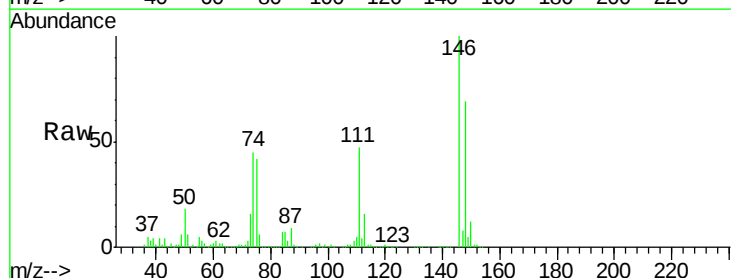
RT: 8.28 min Scan# 884

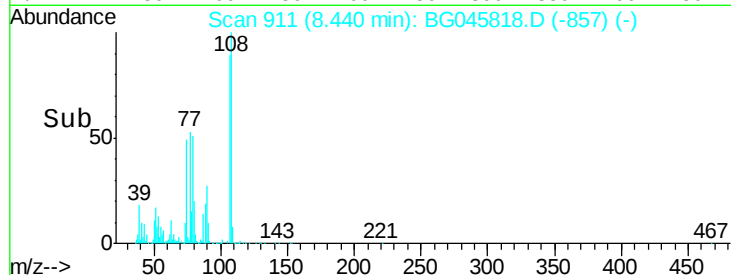
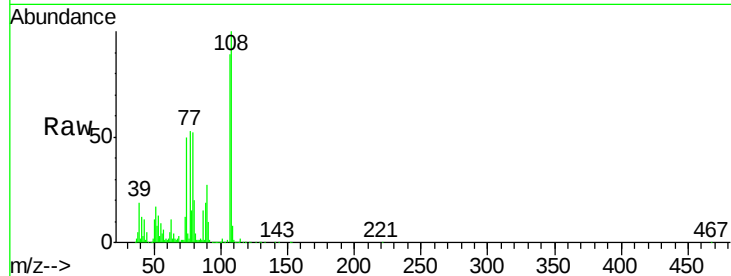
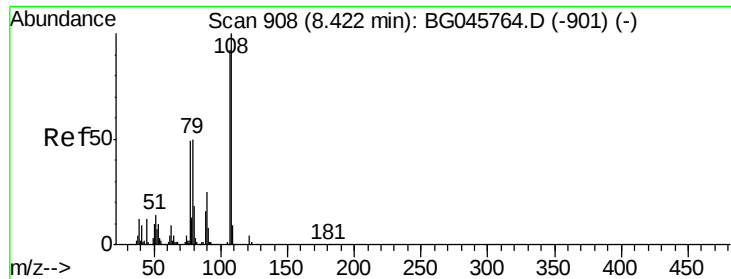
Delta R.T. 0.01 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Tgt Ion:	146	Resp:	1066845
Ion Ratio	Lower	Upper	
146	100		
148	69.2	54.1	81.1
111	47.1	32.9	49.3





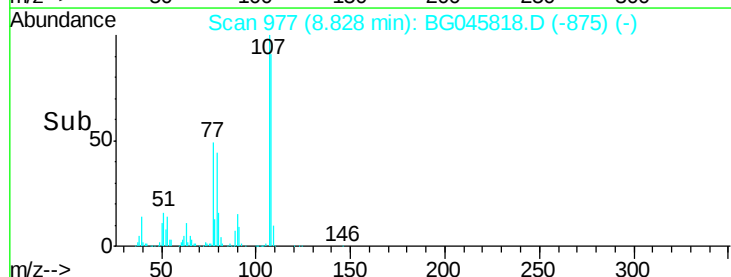
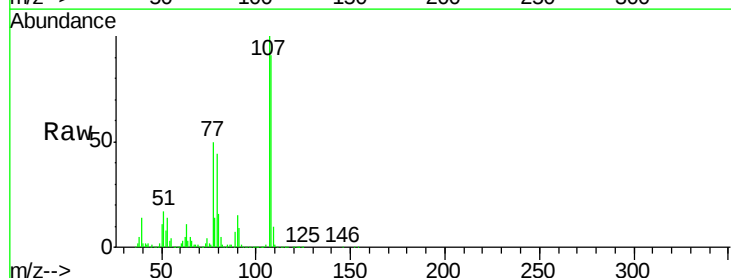
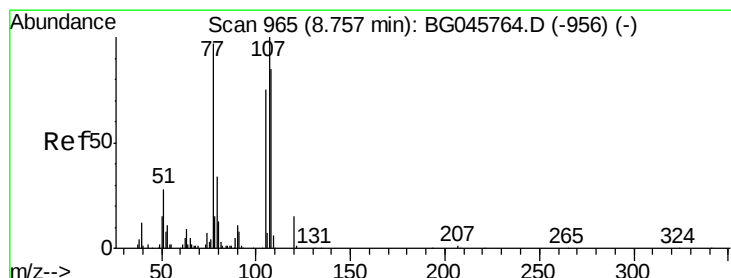
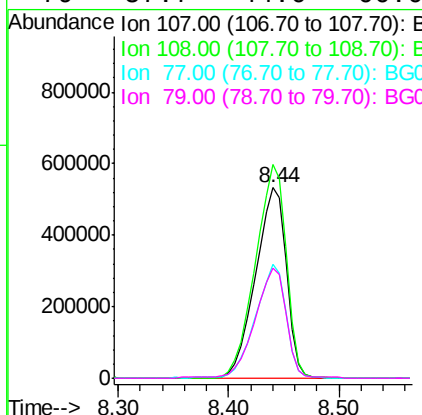
#17
2-Methylphenol
Concen: 336.807 ng
RT: 8.44 min Scan# 911
Delta R.T. 0.02 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.0	87.4	131.0
77	59.5	42.5	63.7
79	57.7	44.0	66.0

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

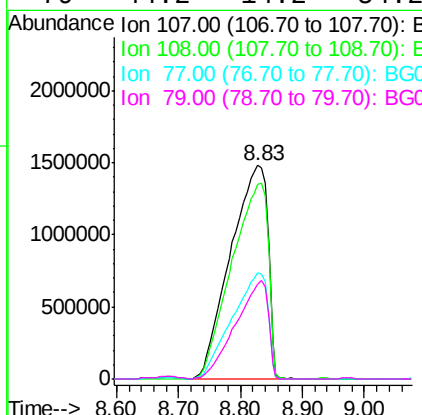
Manual Integrations
APPROVED

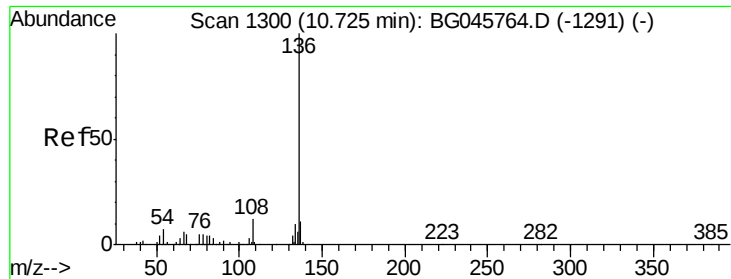
mohammad
6/22/2020 3:24:21 PM



#20
3+4-Methylphenols
Concen: 1510.047 ng
RT: 8.83 min Scan# 977
Delta R.T. 0.07 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	65.4	105.4
77	49.7	77.2	117.2#
79	44.2	14.2	54.2





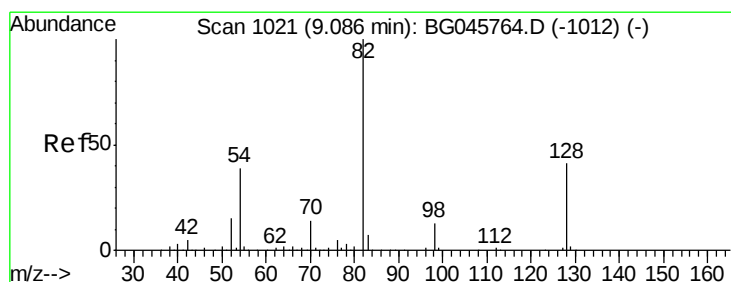
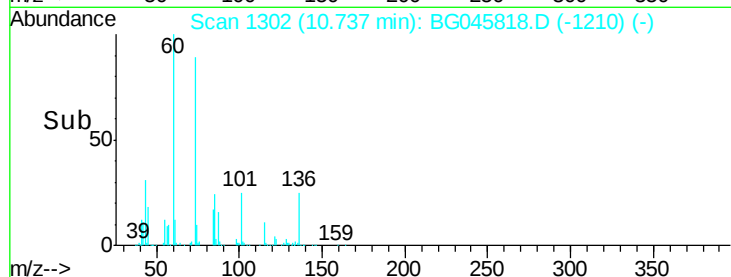
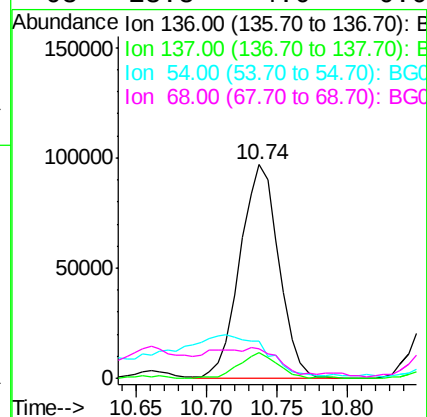
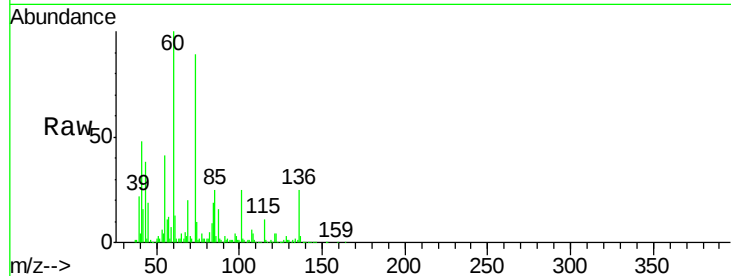
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.1	8.7	13.1
54	17.5	5.8	8.6#
68	13.8	4.0	6.0#

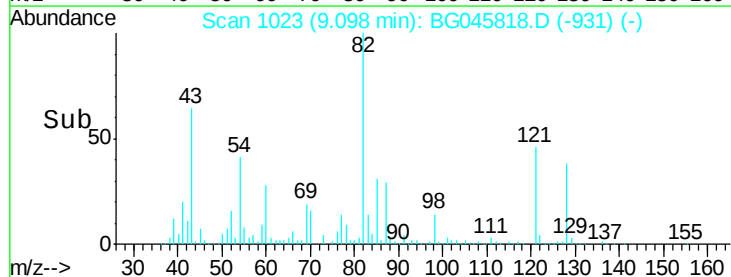
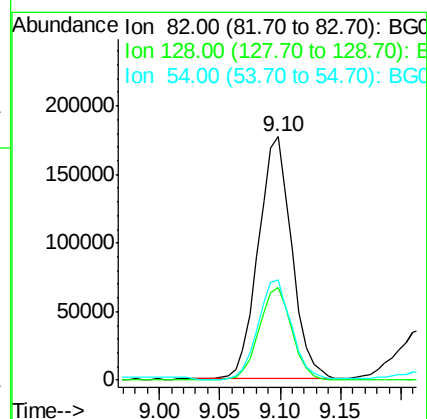
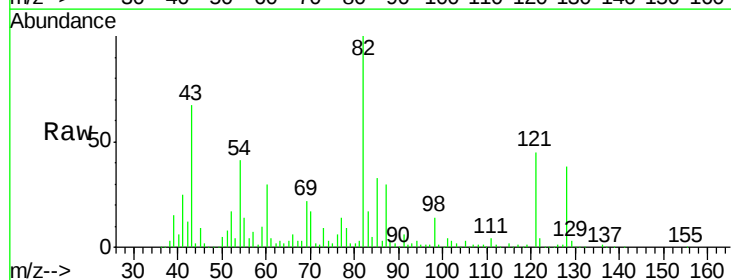
Manual Integrations
APPROVED

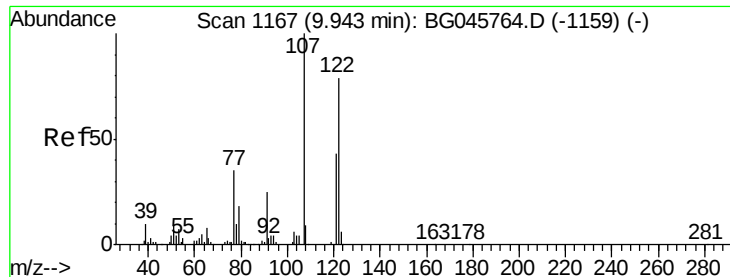
mohammad
6/22/2020 3:24:21 PM



#23
Nitrobenzene-d5
Concen: 84.147 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.2	32.5	48.7
54	41.2	31.2	46.8





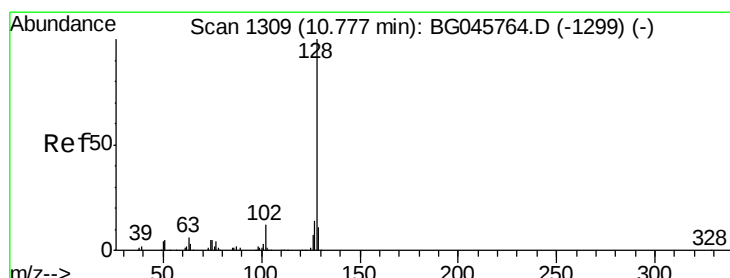
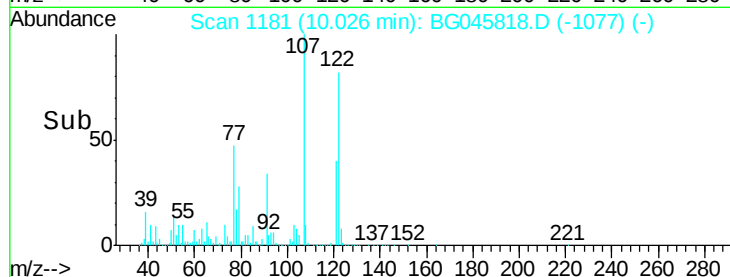
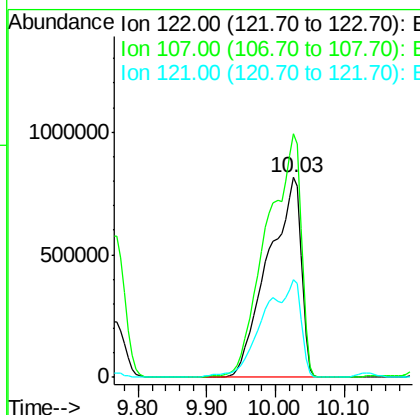
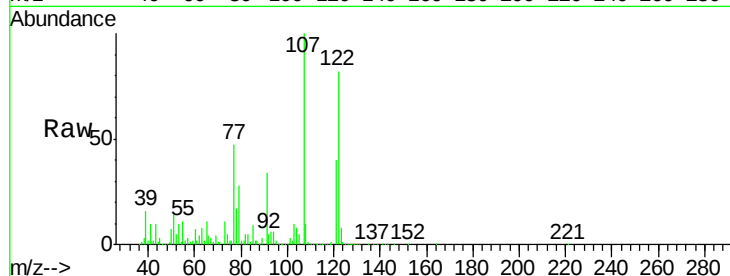
#27
2,4-Dimethylphenol
Concen: 990.465 ng
RT: 10.03 min Scan# 1181
Delta R.T. 0.08 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.0	101.3	151.9
121	49.1	43.9	65.9

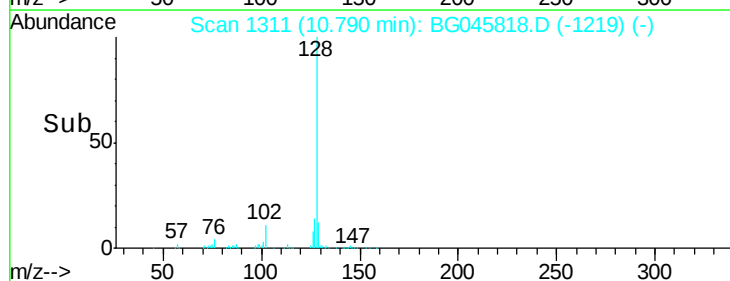
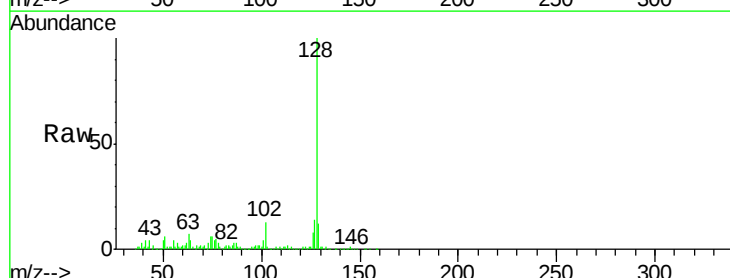
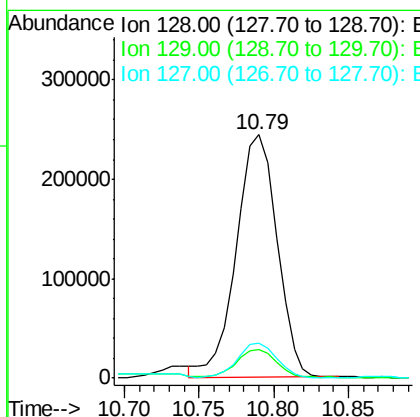
Manual Integrations
APPROVED

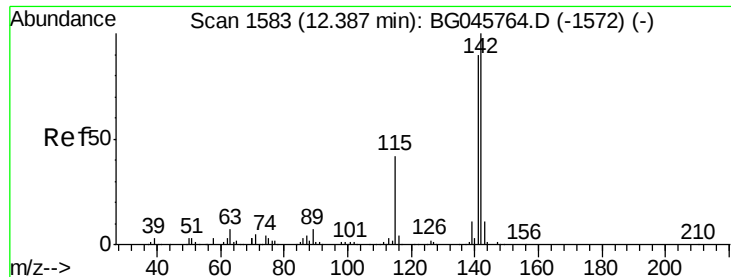
mohammad
6/22/2020 3:24:21 PM



#31
Naphthalene
Concen: 45.637 ng
RT: 10.79 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	14.3	10.9	16.3





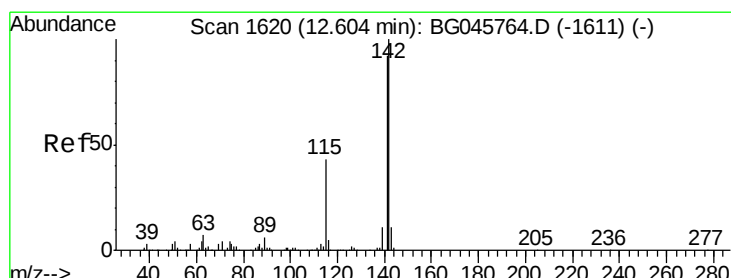
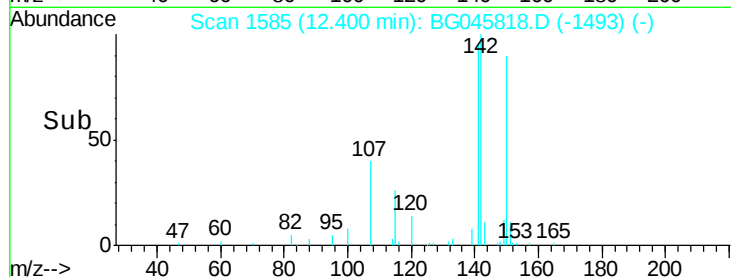
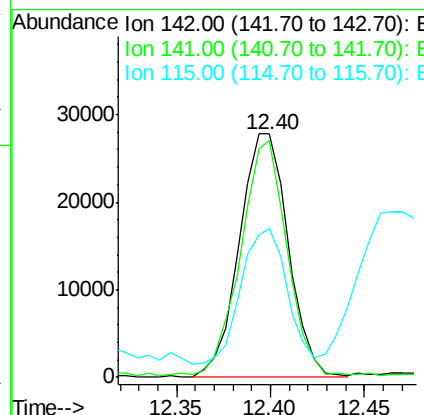
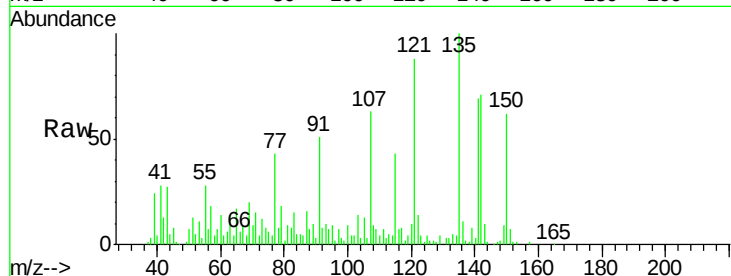
#37
2-Methylnaphthalene
Concen: 6.655 ng m
RT: 12.40 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.6	71.7	107.5
115	61.2	33.8	50.6#

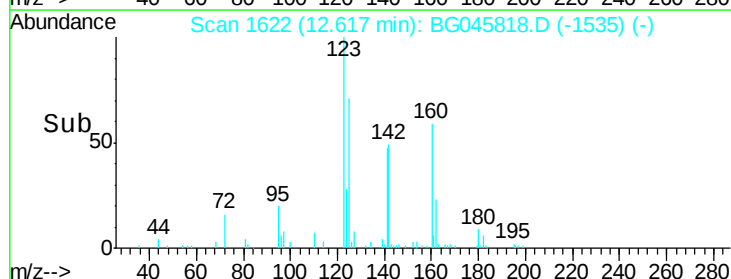
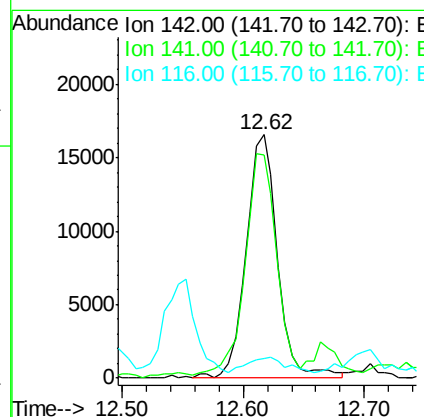
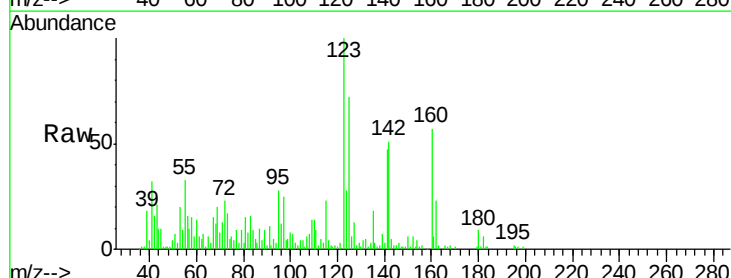
Manual Integrations
APPROVED

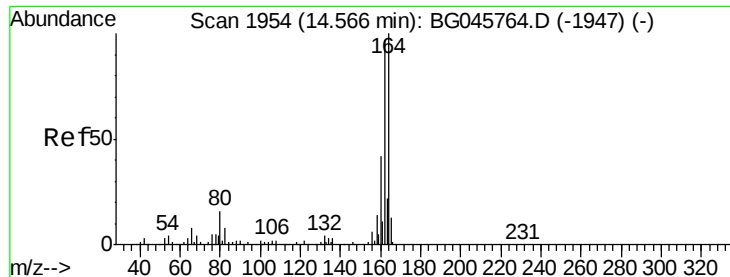
mohammad
6/22/2020 3:24:21 PM



#38
1-Methylnaphthalene
Concen: 4.177 ng
RT: 12.62 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.8	110.8
116	7.9	3.8	5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

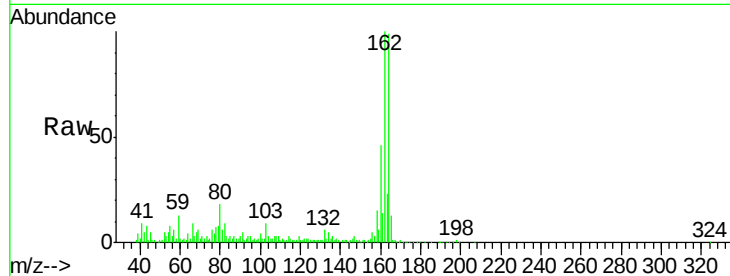
ClientSampleId :

Z1-DUP-0572-200616

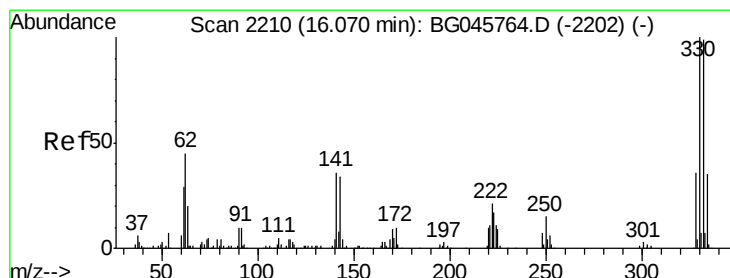
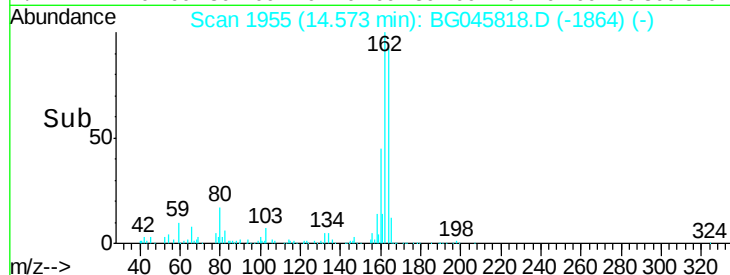
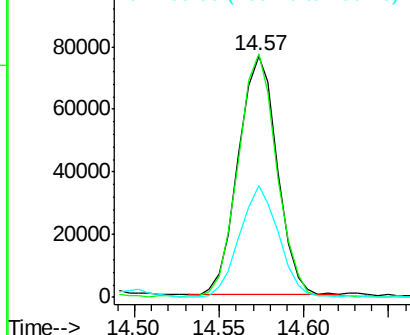
Tot Ion:	164	Resp:	121947
Ion Ratio	Lower	Upper	
164	100		
162	100.9	77.4	116.0
160	46.3	33.3	49.9

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 128.475 ng

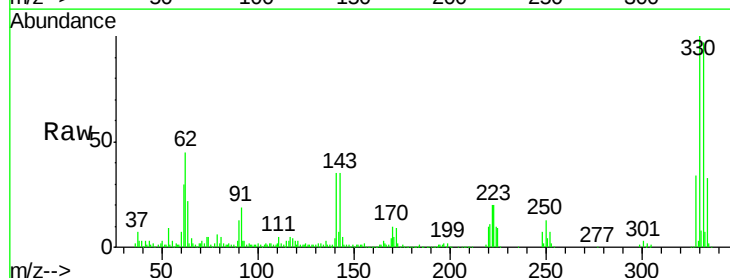
RT: 16.08 min Scan# 2211

Delta R.T. 0.01 min

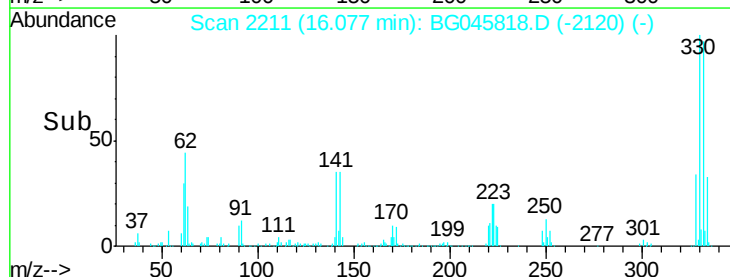
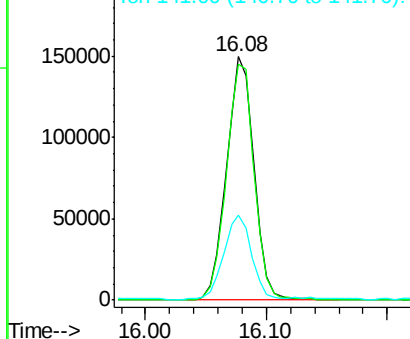
Lab File: BG045818.D

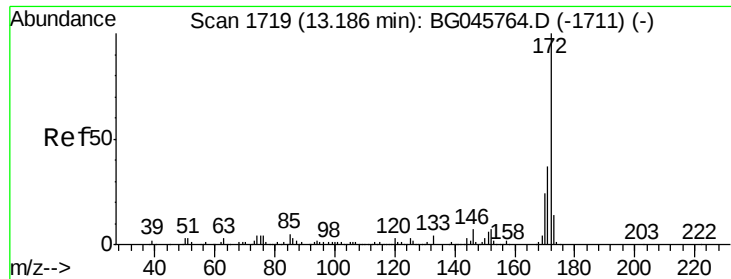
Acq: 19 Jun 2020 16:46

Tgt Ion:	330	Resp:	236533
Ion Ratio	Lower	Upper	
330	100		
332	97.9	78.6	117.8
141	34.8	28.2	42.4



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





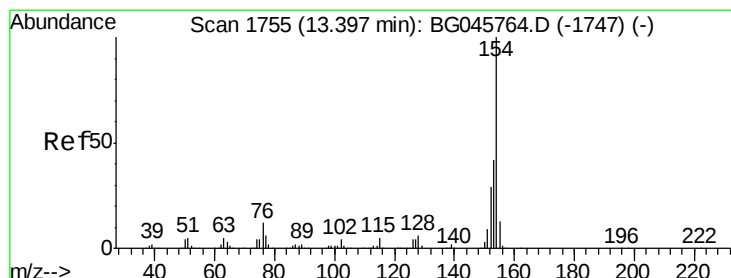
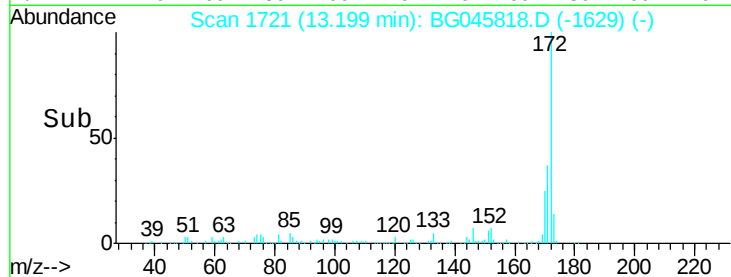
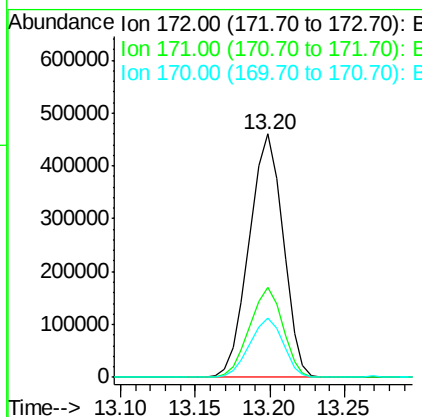
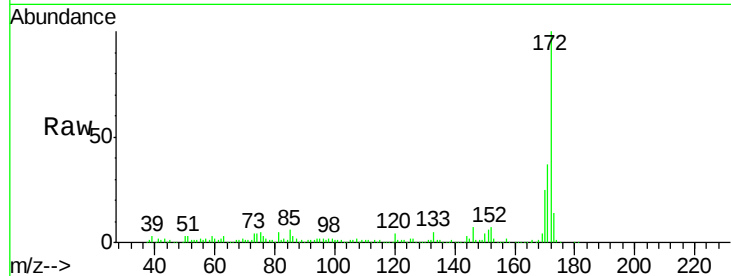
#45
2-Fluorobiphenyl
Concen: 87.491 ng
RT: 13.20 min Scan# 1721
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.6	19.3	28.9

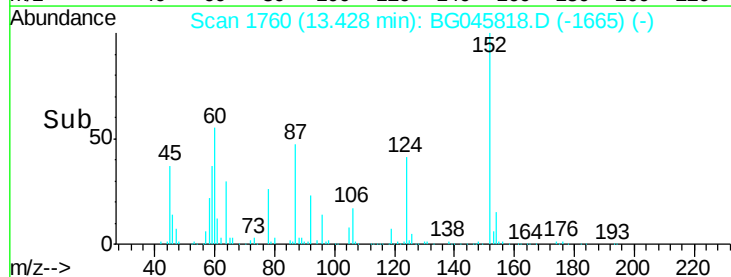
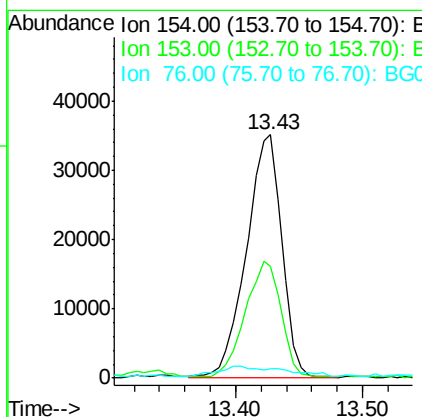
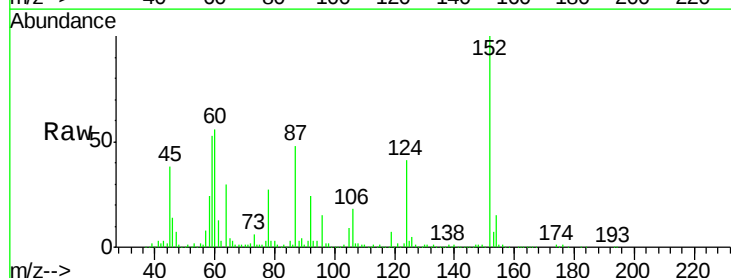
Manual Integrations
APPROVED

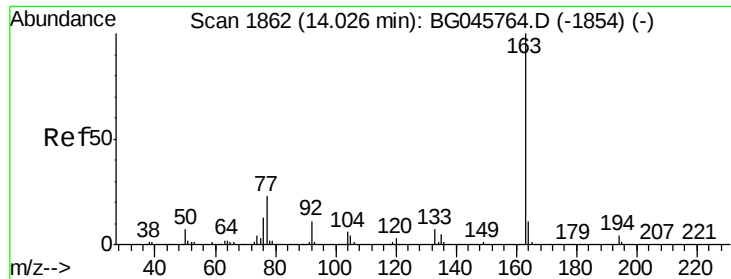
mohammad
6/22/2020 3:24:21 PM



#46
1,1'-Biphenyl
Concen: 7.865 ng
RT: 13.43 min Scan# 1760
Delta R.T. 0.03 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	45.7	21.7	61.7
76	4.0	0.0	32.0





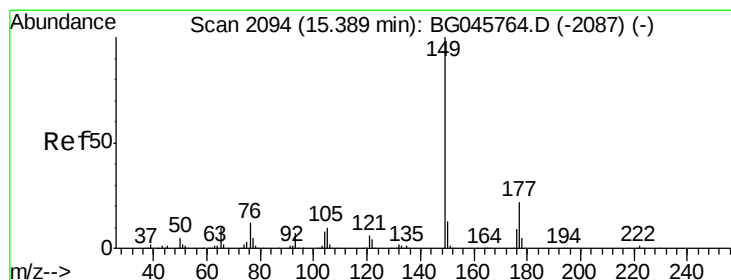
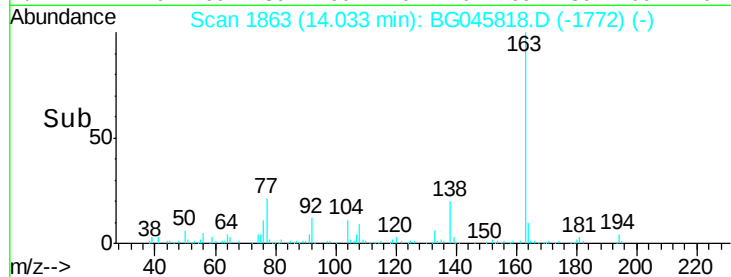
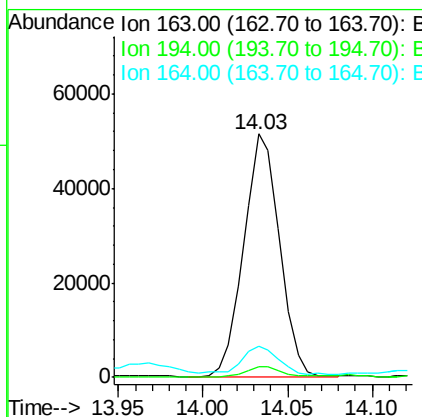
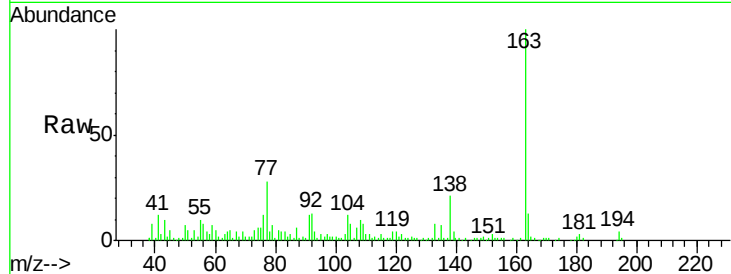
#50
Dimethylphthalate
Concen: 7.906 ng
RT: 14.03 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	12.7	8.9	13.3

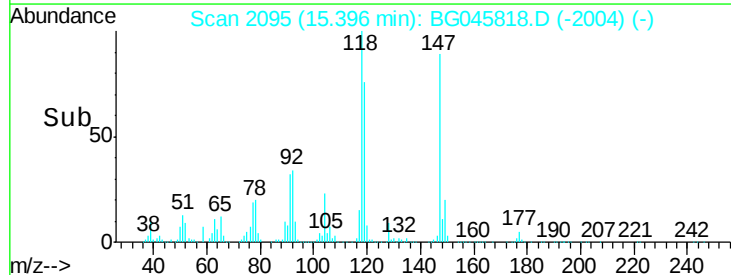
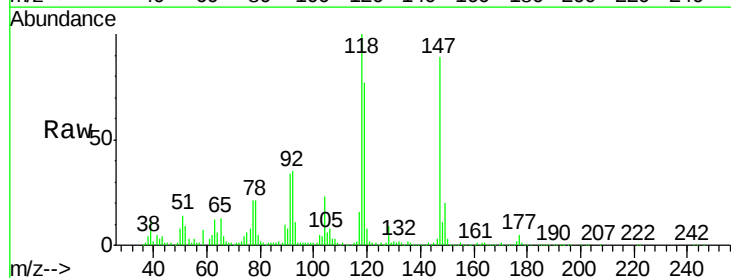
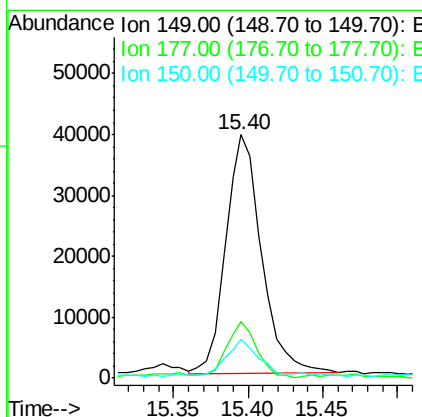
Manual Integrations
APPROVED

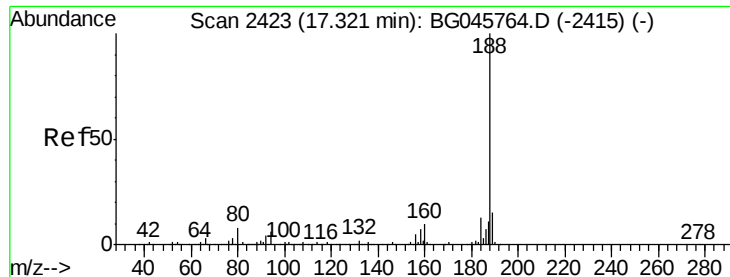
mohammad
6/22/2020 3:24:21 PM



#60
Diethylphthalate
Concen: 6.704 ng
RT: 15.40 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BG045818.D
Acq: 19 Jun 2020 16:46

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.2	25.8
150	16.0	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

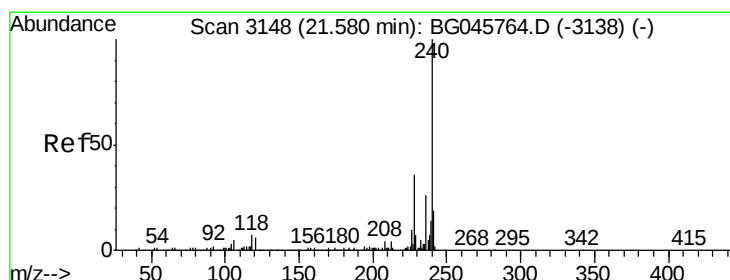
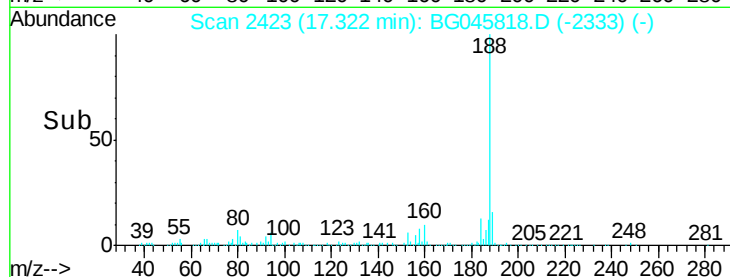
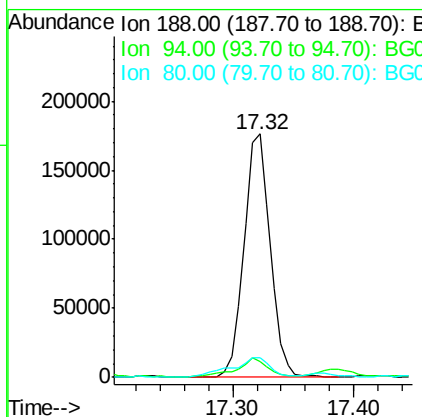
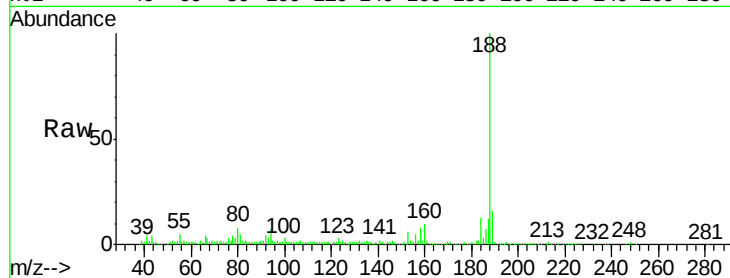
ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:	188	Resp:	265603
Ion Ratio	Lower	Upper	
188	100		
94	6.6	5.1	7.7
80	7.8	6.2	9.4

Manual Integrations
APPROVED

mohammad
6/22/2020 3:24:21 PM



#76

Chrysene-d12

Concen: 20.000 ng

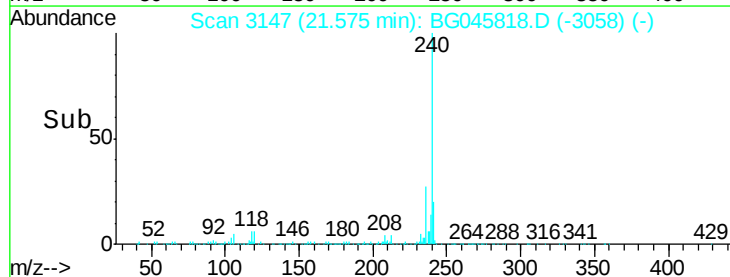
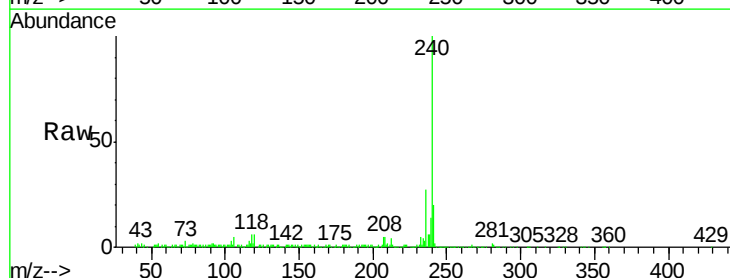
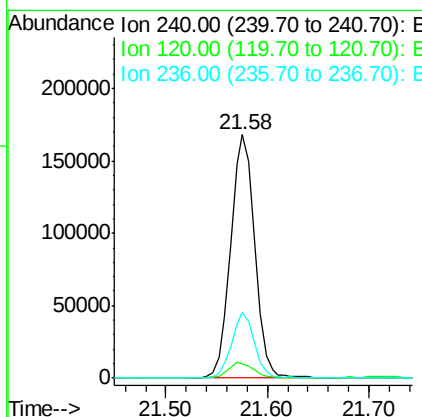
RT: 21.58 min Scan# 3147

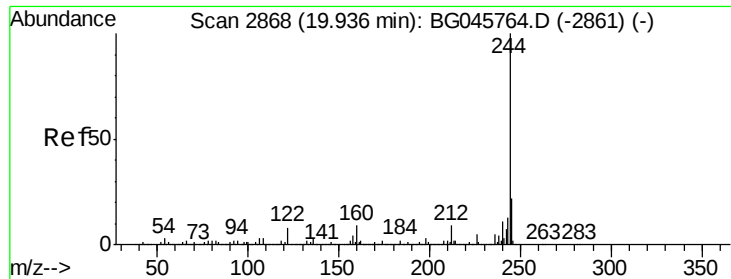
Delta R.T. -0.00 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Tgt Ion:	240	Resp:	274118
Ion Ratio	Lower	Upper	
240	100		
120	6.1	5.0	7.4
236	27.1	20.6	30.8





#79

Terphenyl-d14

Concen: 84.974 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:244 Resp: 1149364

Ion Ratio Lower Upper

244 100

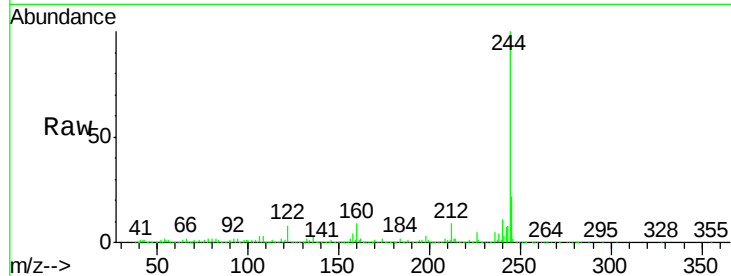
212 8.7 7.2 10.8

122 8.0 6.4 9.6

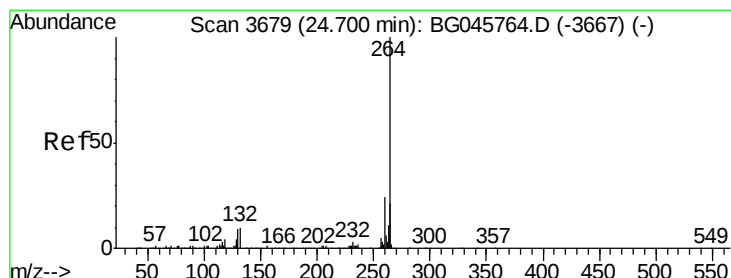
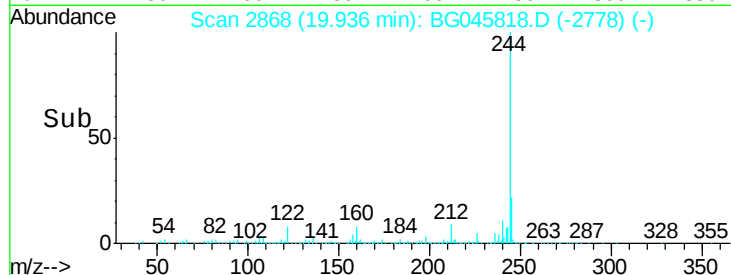
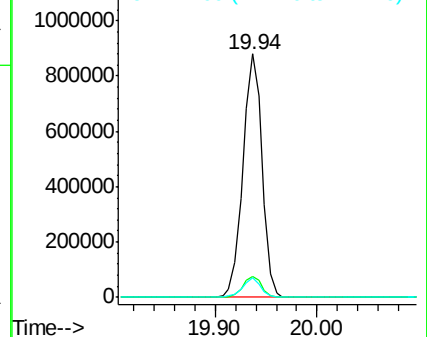
Manual Integrations
APPROVED

mohammad

6/22/2020 3:24:21 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045818.D

Acq: 19 Jun 2020 16:46

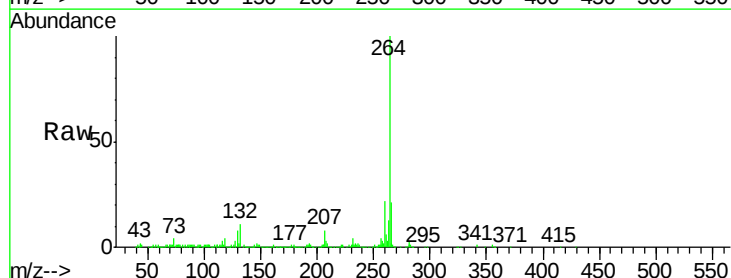
Tgt Ion:264 Resp: 296159

Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.4

265 21.2 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

