

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096106.D
 Acq On : 22 Jun 2017 4:47
 Operator : SJ/MA
 Sample : I3759-03MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Manual Integrations
 APPROVED

Quant Time: Jun 22 16:55:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	75203	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	330911	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	119614	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	209045	20.00	ng	0.00
75) Chrysene-d12	18.27	240	134714	20.00	ng	0.00
86) Perylene-d12	19.94	264	94988	20.00	ng	0.00

mohammad

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	662446	140.36	ng	0.04
7) Phenol-d6	6.88	99	726569	128.60	ng	0.00
23) Nitrobenzene-d5	8.22	82	448837	84.24	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	143404	135.50	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	800845	93.17	ng	0.00
78) Terphenyl-d14	16.92	244	642010	118.27	ng	0.00

6/22/2017 6:02:55 PM

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.77	88	91481m	40.75	ng	
3) Pyridine	2.31	79	126595	23.99	ng	94
4) n-Nitrosodimethylamine	2.23	42	91905	45.81	ng	82
6) Aniline	6.82	93	62560	8.46	ng	97
8) 2-Chlorophenol	6.99	128	228269	45.49	ng	97
9) Benzaldehyde	6.62	77	79842	20.95	ng	97
10) Phenol	6.90	94	245485	41.88	ng	94
11) bis(2-Chloroethyl)ether	6.94	93	213846	46.06	ng	97
12) 1,3-Dichlorobenzene	7.19	146	239631	42.19	ng	99
13) 1,4-Dichlorobenzene	7.32	146	243853	42.34	ng	96
14) 1,2-Dichlorobenzene	7.55	146	228681	43.07	ng	97
15) Benzyl Alcohol	7.61	79	168377	43.42	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.79	45	297848	45.66	ng	97
17) 2-Methylphenol	7.85	107	190440	45.22	ng	95
18) Hexachloroethane	8.06	117	65183	34.26	ng	# 86
19) n-Nitroso-di-n-propylamine	8.03	70	164995	46.08	ng	93
20) 3+4-Methylphenols	8.13	107	254359	47.58	ng	# 59
22) Acetophenone	7.99	105	330270	42.64	ng	# 84
24) Nitrobenzene	8.25	77	231312	40.64	ng	95
25) Isophorone	8.65	82	410433	41.25	ng	97
26) 2-Nitrophenol	8.76	139	94494	31.70	ng	97
27) 2,4-Dimethylphenol	8.92	122	204374	44.19	ng	97
28) bis(2-Chloroethoxy)methane	9.03	93	274427	41.85	ng	99
29) 2,4-Dichlorophenol	9.21	162	193046	43.34	ng	99
30) 1,2,4-Trichlorobenzene	9.26	180	201350	43.44	ng	98
31) Naphthalene	9.36	128	733236	44.15	ng	99
32) Benzoic acid	9.28	122	44990	19.02	ng	97
33) 4-Chloroaniline	9.56	127	51598m	7.95	ng	
34) Hexachlorobutadiene	9.57	225	98330	41.06	ng	98
35) Caprolactam	10.16	113	45676	34.46	ng	90
36) 4-Chloro-3-methylphenol	10.41	107	200309	42.96	ng	89
37) 2-Methylnaphthalene	10.49	142	480236	42.80	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.77	216	181707	50.76	ng	98
40) Hexachlorocyclopentadiene	10.73	237	1237	12.19	ng	76

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096106.D
 Acq On : 22 Jun 2017 4:47
 Operator : SJ/MA
 Sample : I3759-03MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

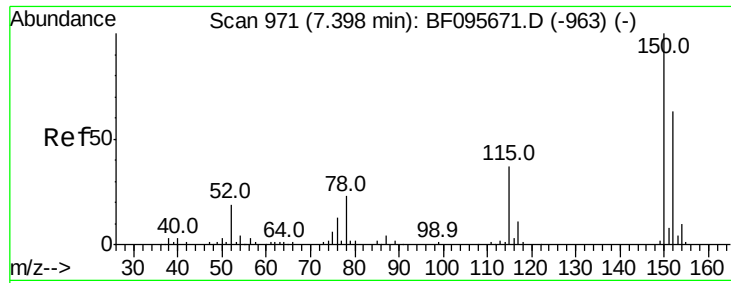
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Manual Integrations
 APPROVED

Quant Time: Jun 22 16:55:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
42) 2,4,6-Trichlorophenol	11.01	196	105479	45.83	ng	97	
43) 2,4,5-Trichlorophenol	11.12	196	102857	42.01	ng	95	
45) 1,1'-Biphenyl	11.25	154	464204	47.09	ng	97	
46) 2-Chloronaphthalene	11.27	162	349364	45.36	ng	95	
47) 2-Nitroaniline	11.50	65	107749	47.80	ng	#	86
48) Acenaphthylene	11.92	152	532939	40.46	ng		98 mohammad
49) Dimethylphthalate	11.81	163	434230	47.81	ng		99
50) 2,6-Dinitrotoluene	11.91	165	74782	37.75	ng	#	68
51) Acenaphthene	12.20	154	327419	43.04	ng		98
52) 3-Nitroaniline	12.18	138	70260	30.44	ng		91
54) Dibenzofuran	12.49	168	535421	50.01	ng		99 6/22/2017 6:02:55 PM
55) 4-Nitrophenol	12.64	139	83680	63.13	ng	#	80
56) 2,4-Dinitrotoluene	12.59	165	108008	40.37	ng	#	90
57) Fluorene	13.04	166	424326	45.54	ng		97
58) 2,3,4,6-Tetrachlorophenol	12.75	232	77338	46.17	ng	#	91
59) Diethylphthalate	12.95	149	427744	48.94	ng		99
60) 4-Chlorophenyl-phenylether	13.07	204	178774	44.12	ng		90
61) 4-Nitroaniline	13.18	138	103428	48.00	ng		96
62) Azobenzene	13.32	77	374316	47.25	ng		95
65) n-Nitrosodiphenylamine	13.28	169	304772	40.57	ng		99
66) 4-Bromophenyl-phenylether	13.84	248	98051	45.13	ng		98
67) Hexachlorobenzene	13.93	284	99058	46.27	ng	#	86
68) Atrazine	14.20	200	78596	37.60	ng		97
69) Pentachlorophenol	14.31	266	39919	51.72	ng		91
70) Phenanthrene	14.57	178	537857	44.59	ng		99
71) Anthracene	14.66	178	565322	44.89	ng		98
72) Carbazole	14.97	167	458429	37.36	ng		96
73) Di-n-butylphthalate	15.56	149	664808	50.92	ng		98
74) Fluoranthene	16.36	202	501920	42.04	ng		98
76) Benzidine	16.61	184	81660	15.78	ng	#	94
77) Pyrene	16.67	202	570508	56.76	ng		99
79) Butylbenzylphthalate	17.59	149	268603	61.19	ng	#	85
80) Benzo(a)anthracene	18.26	228	364030	46.48	ng		99
81) 3,3'-Dichlorobenzidine	18.25	252	42781	15.36	ng	#	93
82) Chrysene	18.30	228	358409	45.79	ng		98
83) Bis(2-ethylhexyl)phthalate	18.34	149	324494	52.40	ng	#	98
84) Di-n-octyl phthalate	19.11	149	514716	50.44	ng		97
85) Indeno(1,2,3-cd)pyrene	21.10	276	250875	37.46	ng		99
87) Benzo(b)fluoranthene	19.54	252	275478	46.32	ng		99
88) Benzo(k)fluoranthene	19.56	252	274137	48.22	ng		96
89) Benzo(a)pyrene	19.89	252	254688	46.59	ng		97
90) Dibenzo(a,h)anthracene	21.10	278	212687	45.86	ng		96
91) Benzo(g,h,i)perylene	21.43	276	210687	44.56	ng		97

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



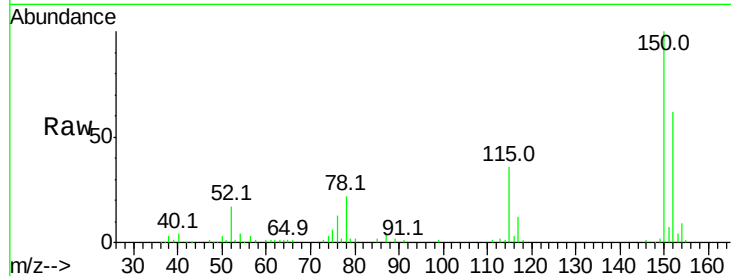
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

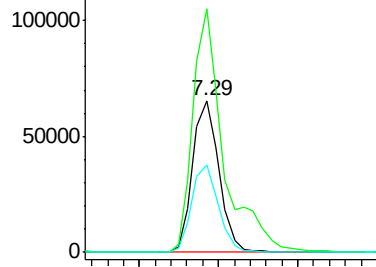
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.2
115	57.7	52.2	78.2

Manual Integrations
APPROVED

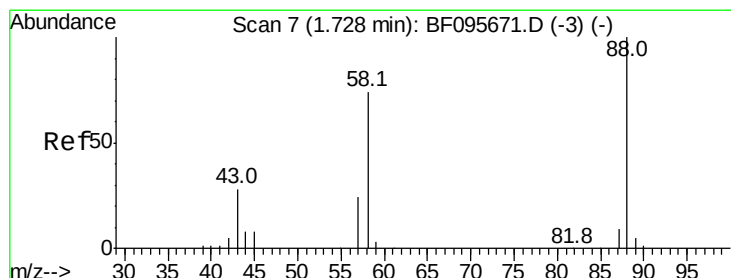
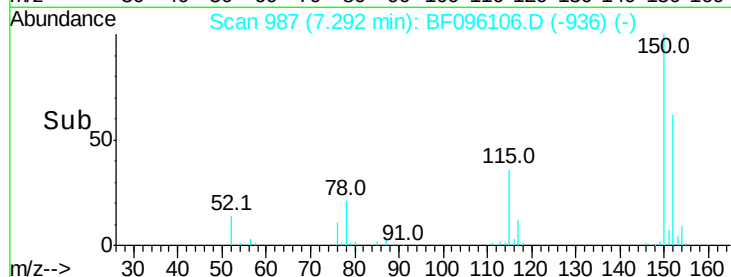


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



mohammad

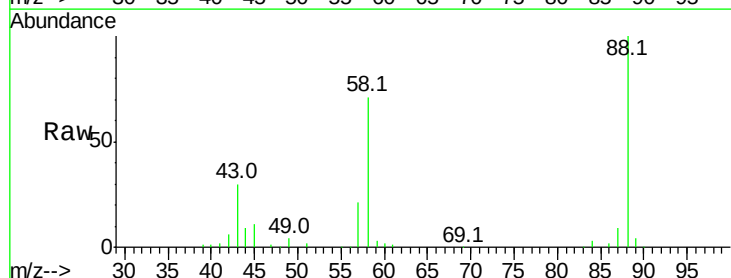
6/22/2017 6:02:55 PM



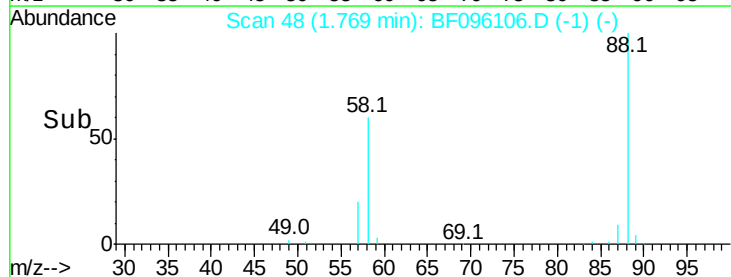
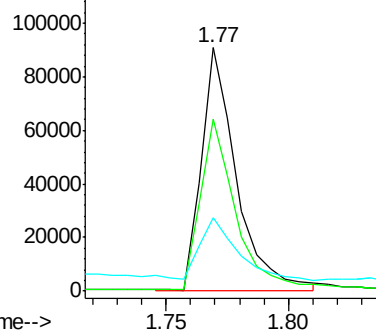
#2

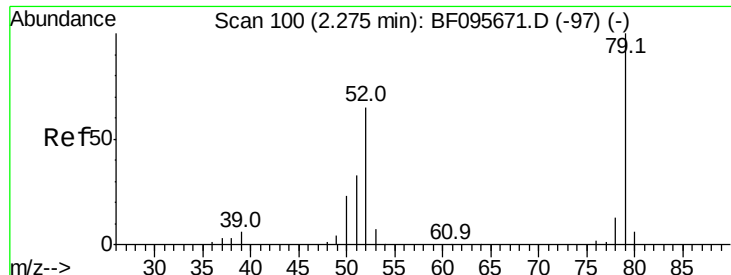
1,4-Dioxane
Concen: 40.75 ng m
RT: 1.77 min Scan# 48
Delta R.T. 0.16 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 23.99 ng

RT: 2.31 min Scan# 140

Delta R.T. 0.18 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

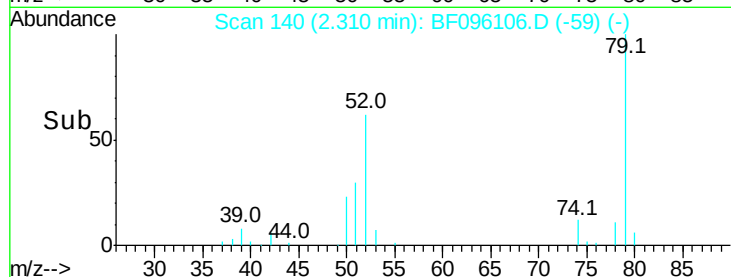
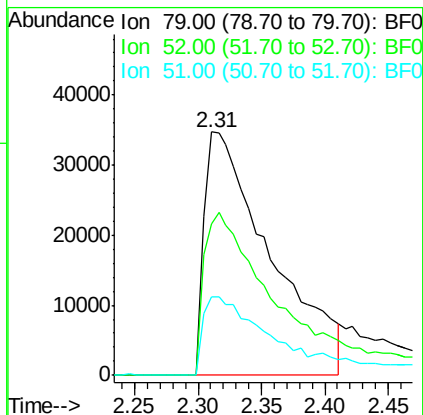
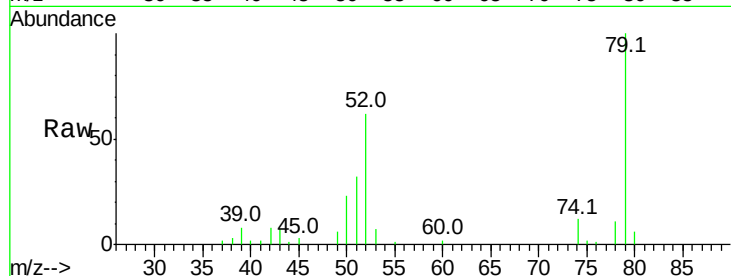
BNA_F

ClientSampleId :

SU-02-061617MS

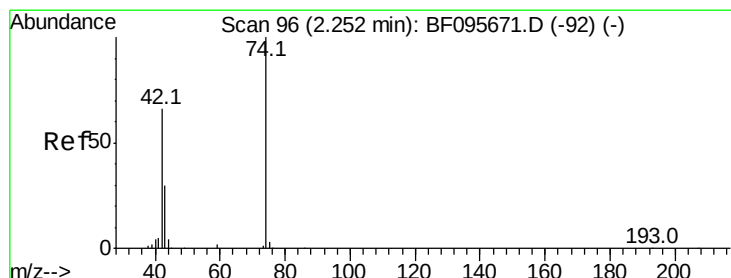
Tot Ion	79	Resp	126595
Ion Ratio	Lower	Upper	
79	100		
52	62.1	54.8	82.2
51	32.3	27.0	40.4

Manual Integrations
APPROVED



mohammad

6/22/2017 6:02:55 PM



#4

n-Nitrosodimethylamine

Concen: 45.81 ng

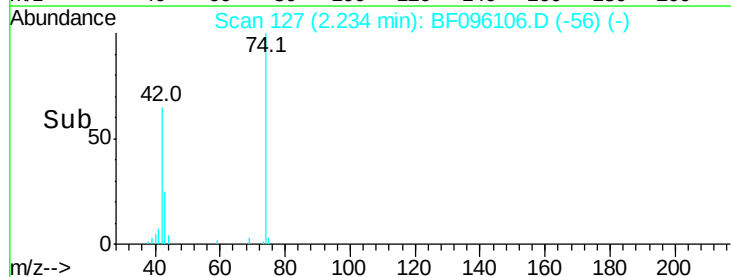
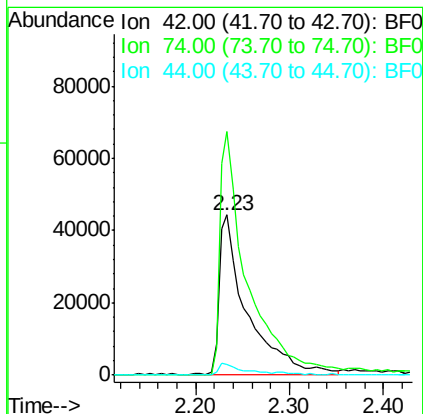
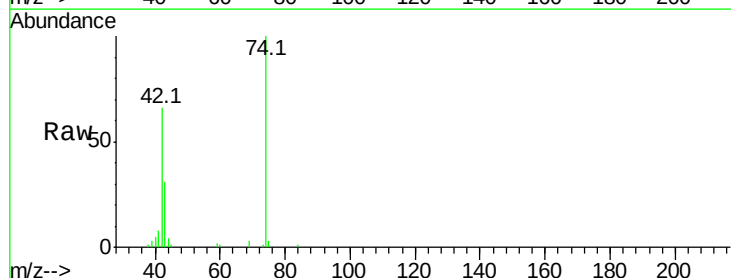
RT: 2.23 min Scan# 127

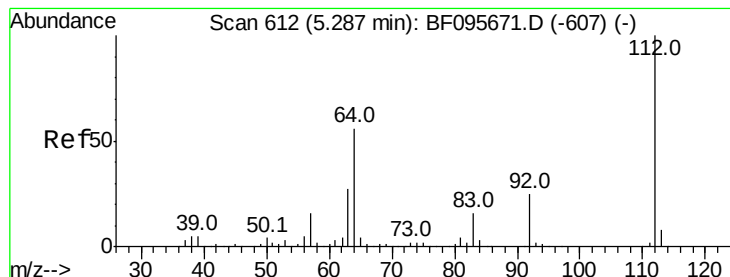
Delta R.T. 0.12 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tgt Ion	42	Resp	91905
Ion Ratio	Lower	Upper	
42	100		
74	152.4	103.9	155.9
44	6.6	5.7	8.5





#5

2-Fluorophenol

Concen: 140.36 ng

RT: 5.22 min Scan# 634

Delta R.T. 0.04 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

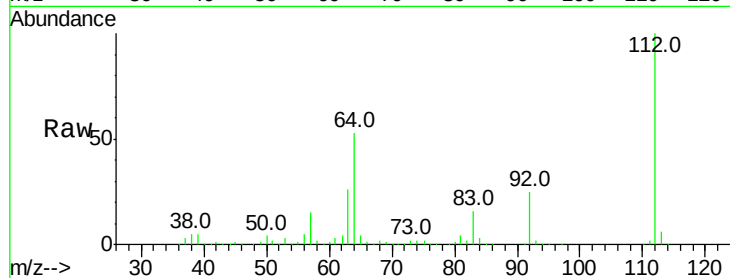
BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion:	112	Resp:	662446
Ion Ratio	Lower	Upper	
112	100		
64	53.2	46.0	69.0
63	26.1	23.4	35.0

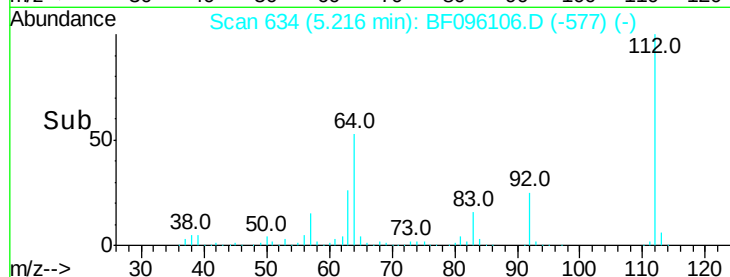
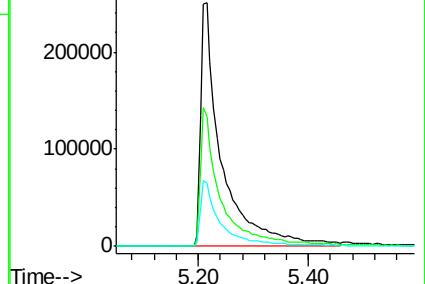
Manual Integrations
APPROVED



Abundance Ion 112.00 (111.70 to 112.70): E

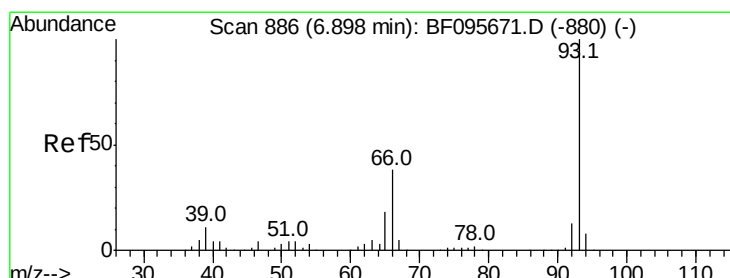
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



mohammad

6/22/2017 6:02:55 PM



#6

Aniline

Concen: 8.46 ng

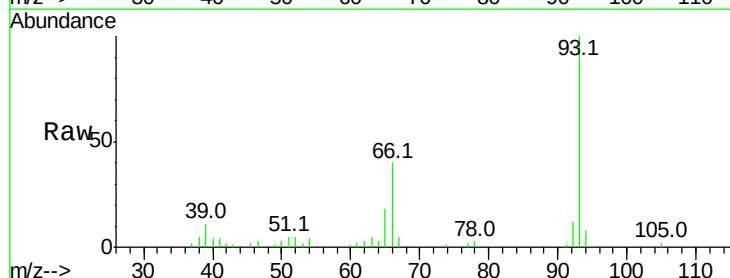
RT: 6.82 min Scan# 906

Delta R.T. 0.02 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

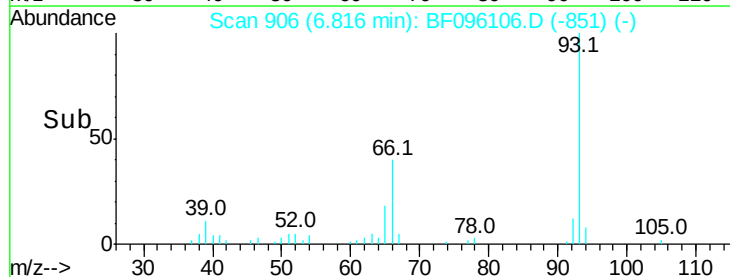
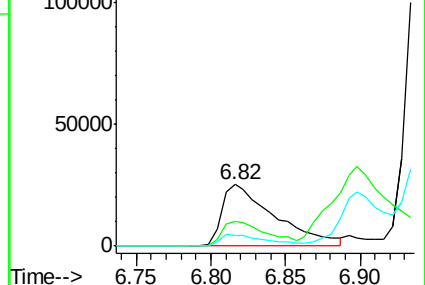
Tgt Ion:	93	Resp:	62560
Ion Ratio	Lower	Upper	
93	100		
66	40.0	32.9	49.3
65	17.8	16.0	24.0

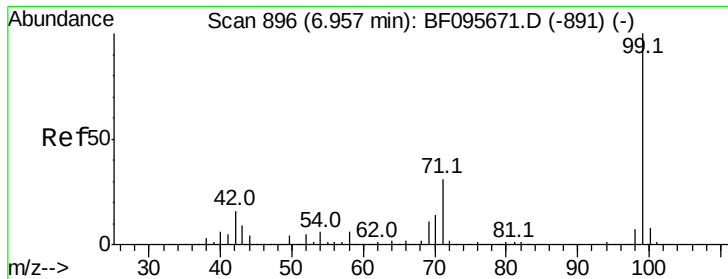


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.60 ng

RT: 6.88 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

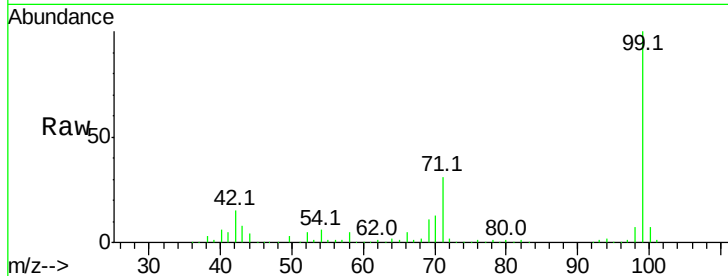
BNA_F

ClientSampleId :

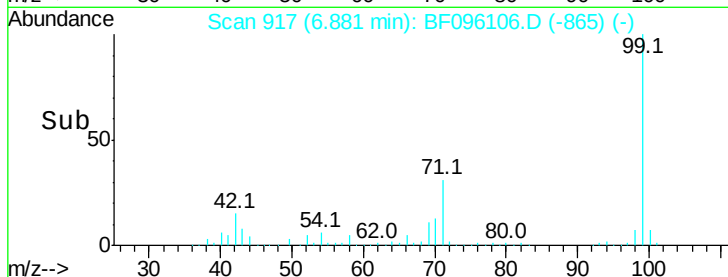
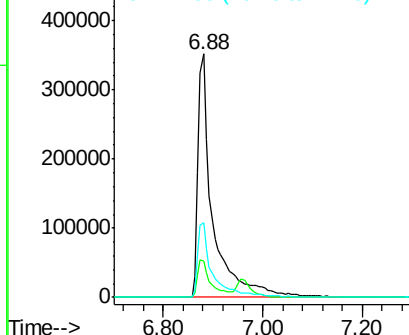
SU-02-061617MS

Tot Ion:	99	Resp:	726569
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.5	20.3
71	30.6	24.5	36.7

Manual Integrations
APPROVED

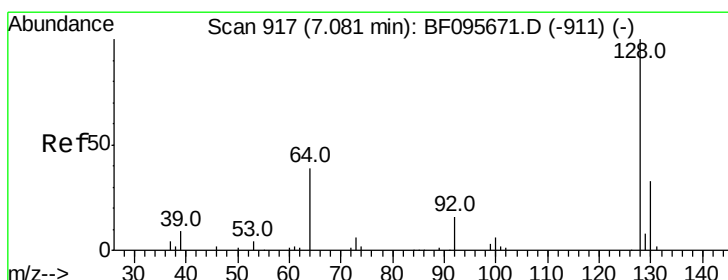


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



mohammad

6/22/2017 6:02:55 PM



#8

2-Chlorophenol

Concen: 45.49 ng

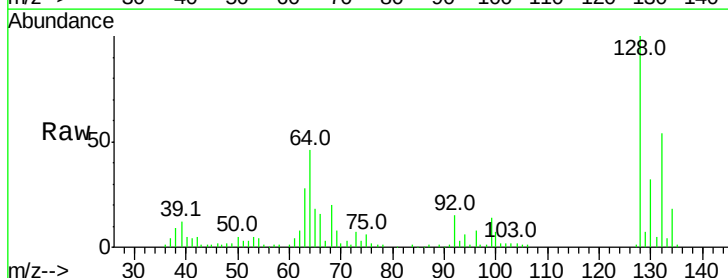
RT: 6.99 min Scan# 935

Delta R.T. 0.01 min

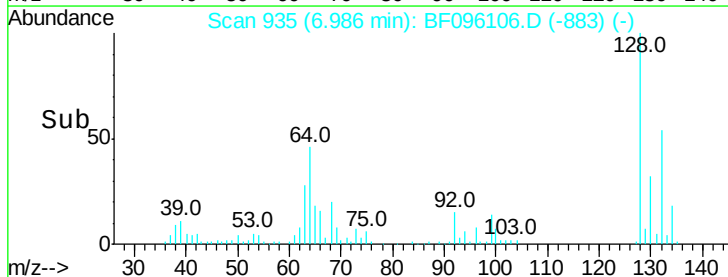
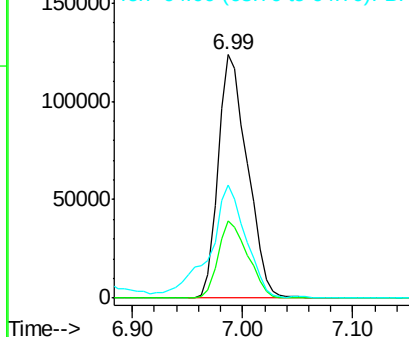
Lab File: BF096106.D

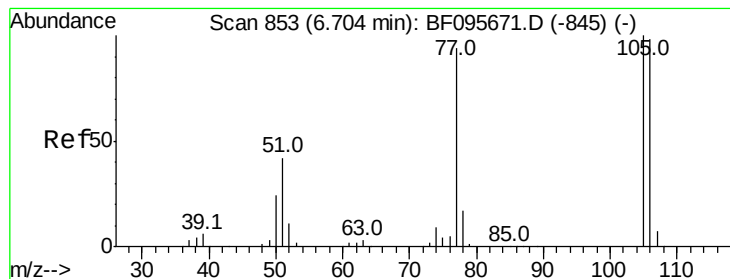
Acq: 22 Jun 2017 4:47

Tgt Ion:	128	Resp:	228269
Ion Ratio	Lower	Upper	
128	100		
130	31.7	12.9	52.9
64	46.4	28.4	68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 20.95 ng

RT: 6.62 min Scan# 873

Delta R.T. 0.02 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion: 77 Resp: 79842

Ion Ratio Lower Upper

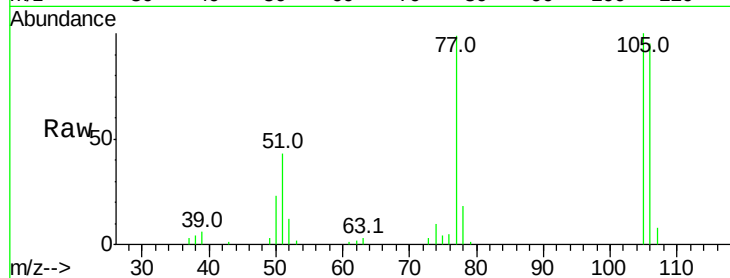
77 100

105 100.9 83.8 123.8

106 95.5 79.1 119.1

Manual Integrations

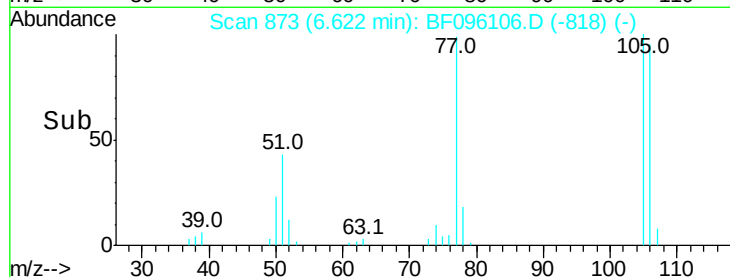
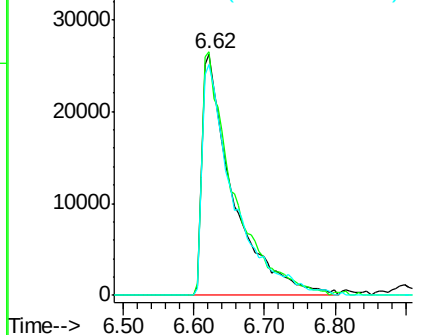
APPROVED



Abundance Ion 77.00 (76.70 to 77.70): BF0

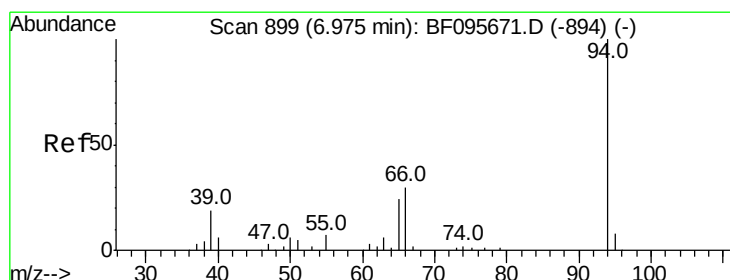
Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



mohammad

6/22/2017 6:02:55 PM



#10

Phenol

Concen: 41.88 ng

RT: 6.90 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

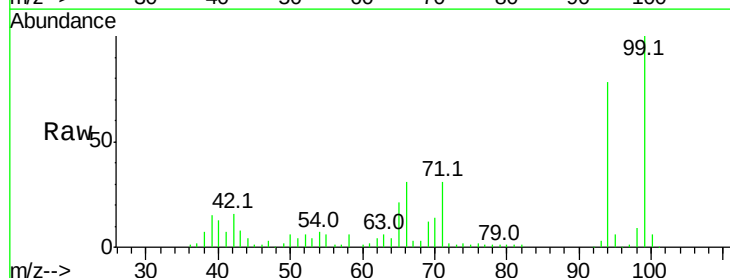
Tgt Ion: 94 Resp: 245485

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

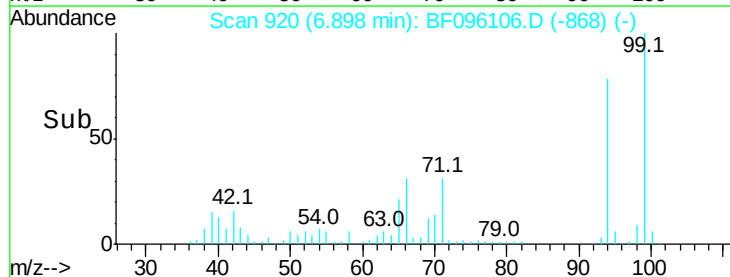
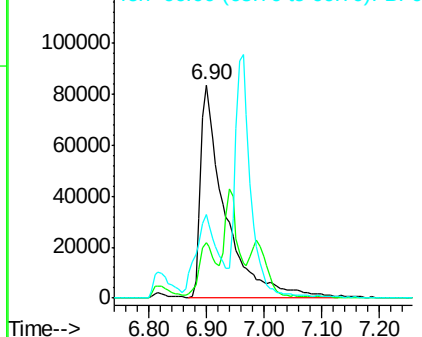
66 39.2 23.1 63.1

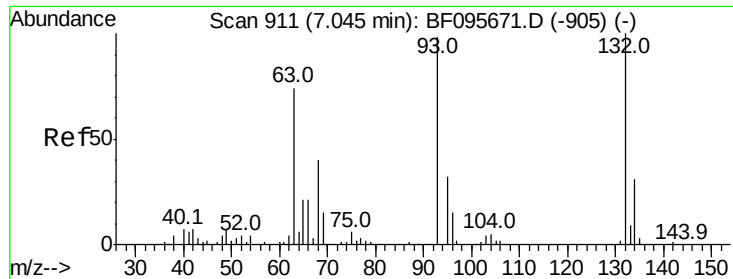


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



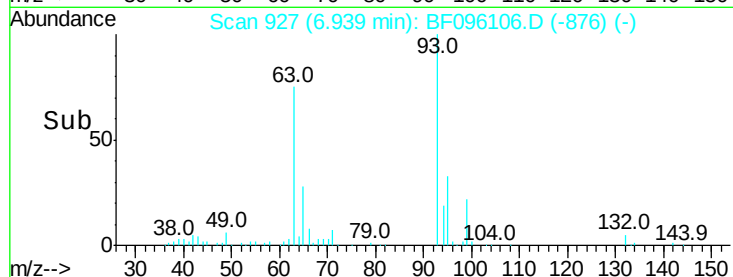
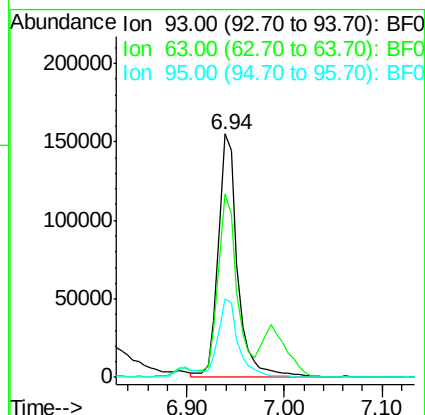
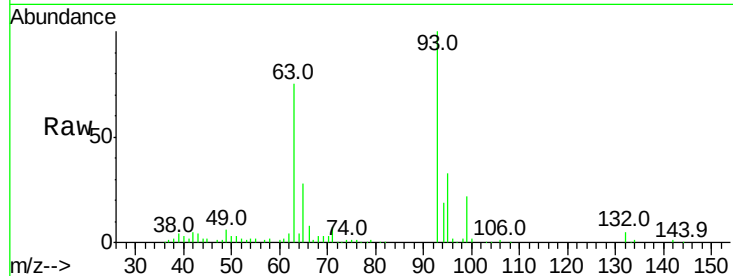


#11
bis(2-Chloroethyl)ether
Concen: 46.06 ng
RT: 6.94 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

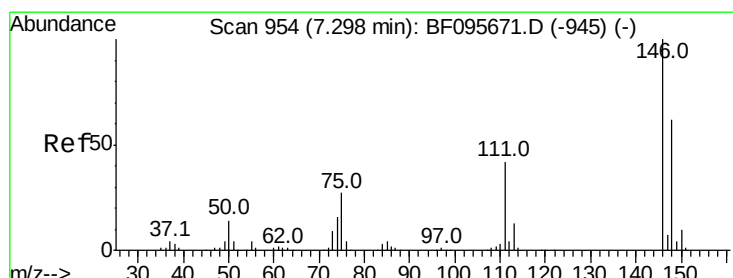
Tot Ion	Ratio	Resp	Lower	Upper
93	100	213846		
63	75.1	59.2	99.2	
95	32.5	12.8	52.8	

Manual Integrations
APPROVED



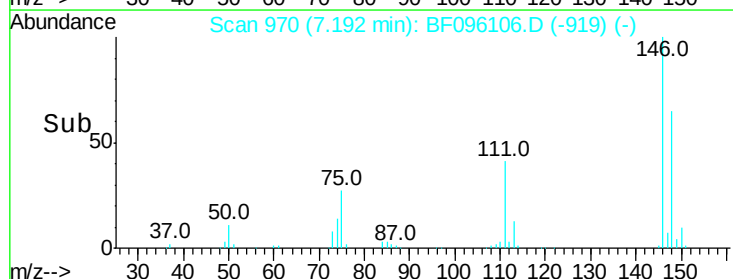
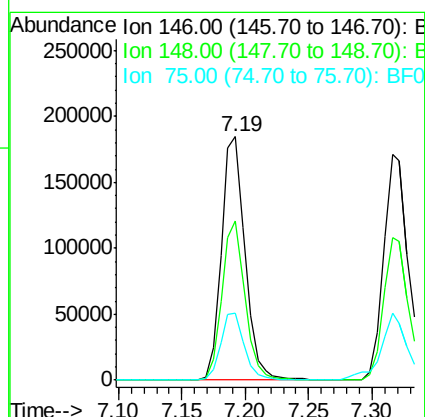
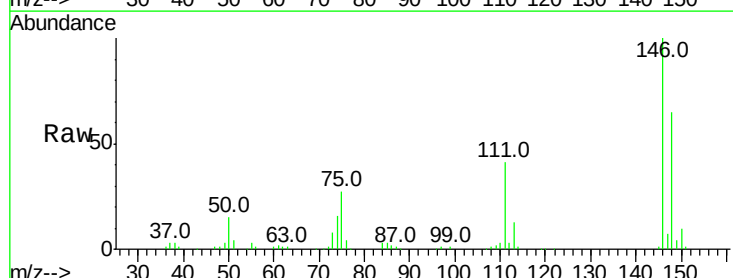
mohammad

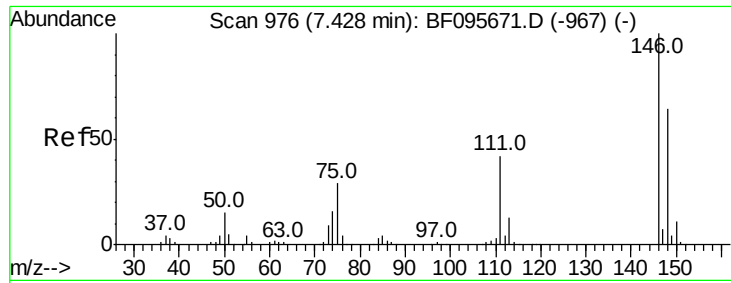
6/22/2017 6:02:55 PM



#12
1,3-Dichlorobenzene
Concen: 42.19 ng
RT: 7.19 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	239631		
148	65.3	51.8	77.6	
75	27.4	23.1	34.7	



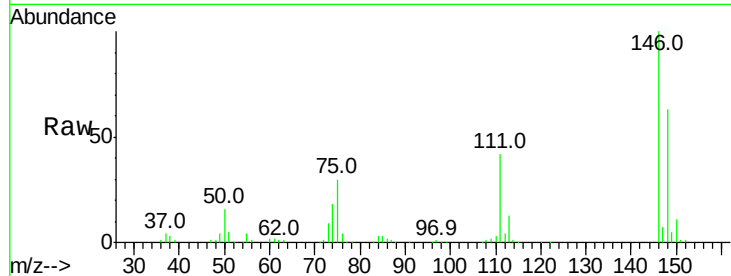


#13
1,4-Dichlorobenzene
Concen: 42.34 ng
RT: 7.32 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.2	78.2
111	42.3	30.3	45.5

Manual Integrations
APPROVED

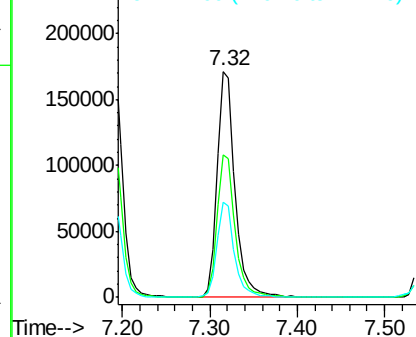


Abundance

Ion 146.00 (145.70 to 146.70): E

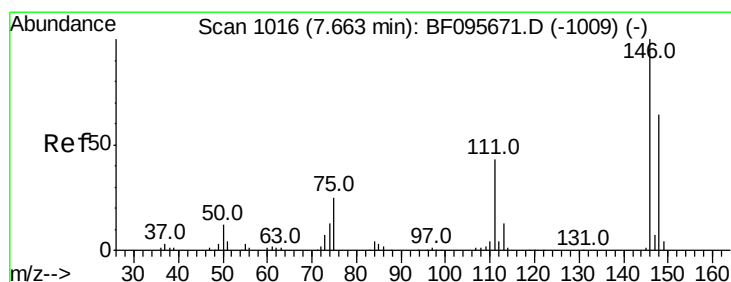
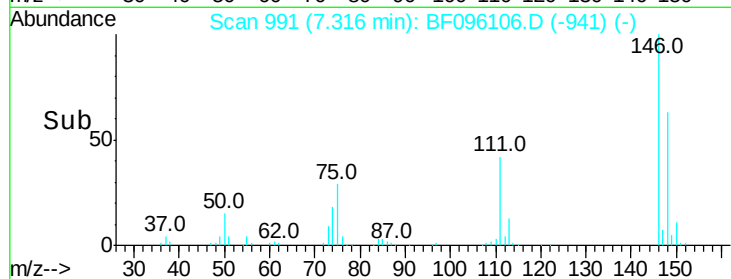
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



mohammad

6/22/2017 6:02:55 PM



#14
1,2-Dichlorobenzene
Concen: 43.07 ng
RT: 7.55 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

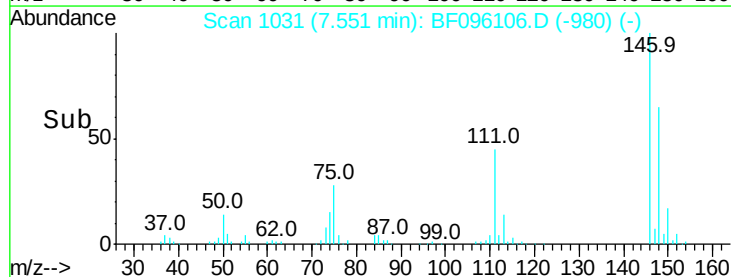
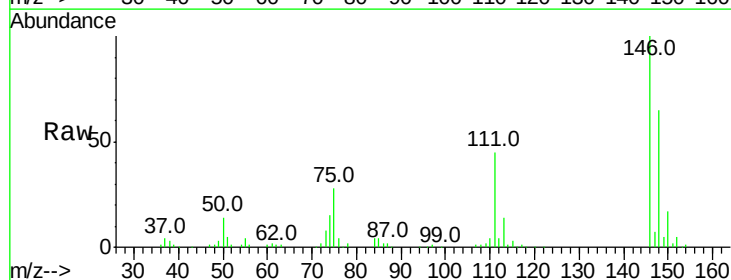
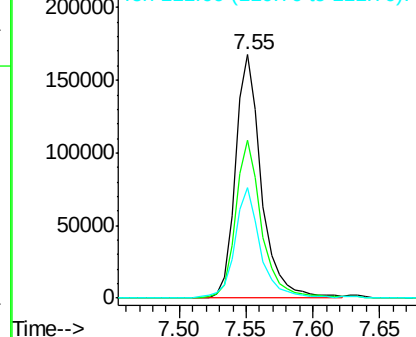
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	45.2	38.2	57.4

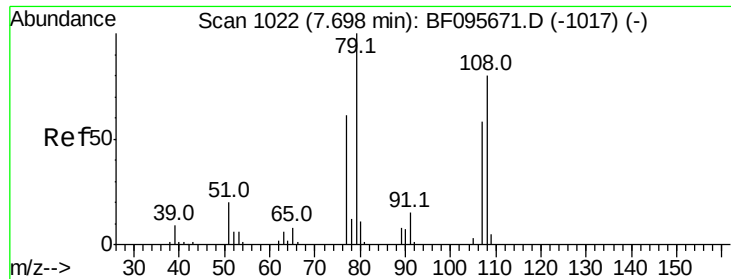
Abundance

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: 43.42 ng

RT: 7.61 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

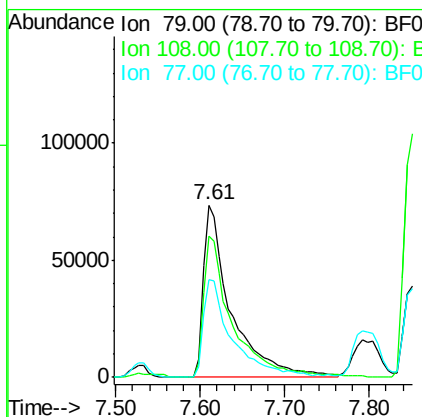
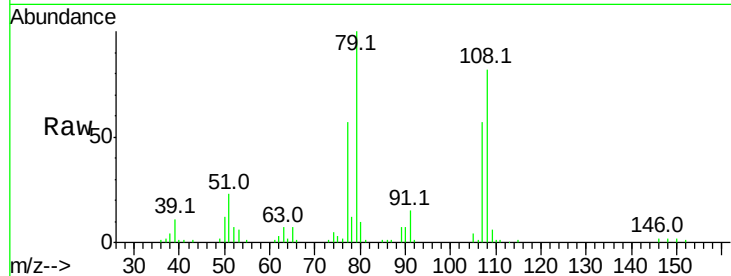
BNA_F

ClientSampleId :

SU-02-061617MS

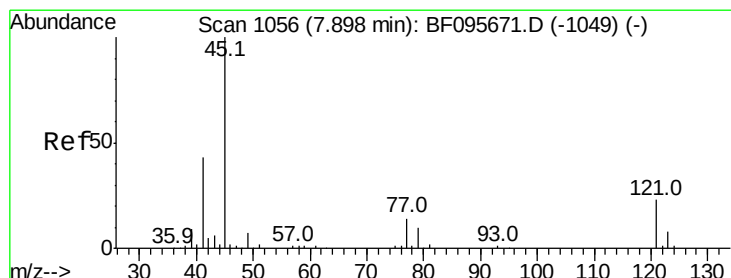
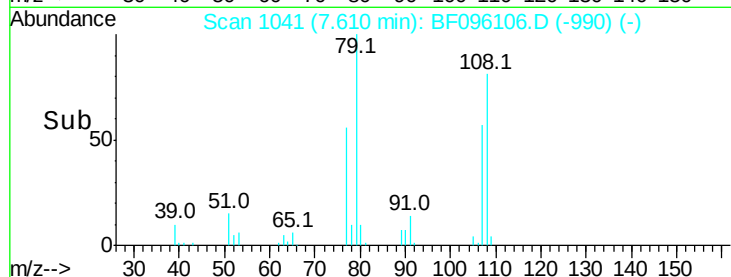
Tot Ion:	79	Resp:	168377
Ion Ratio	Lower	Upper	
79	100		
108	82.0	63.4	95.0
77	57.0	49.2	73.8

Manual Integrations
APPROVED



mohammad

6/22/2017 6:02:55 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.66 ng

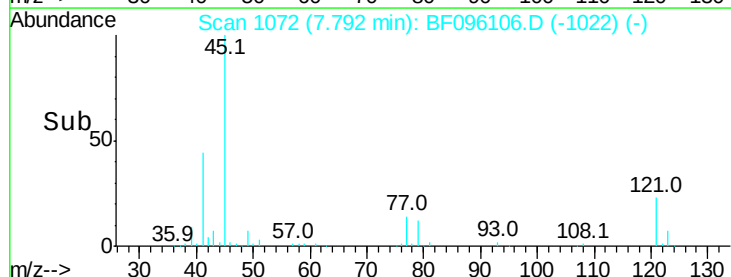
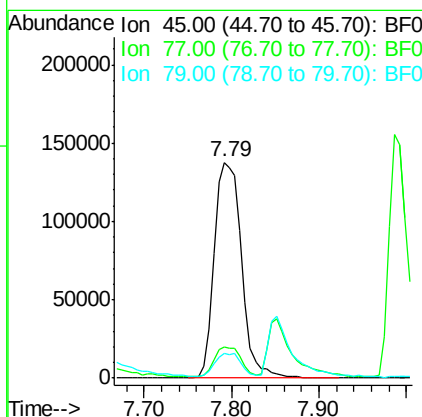
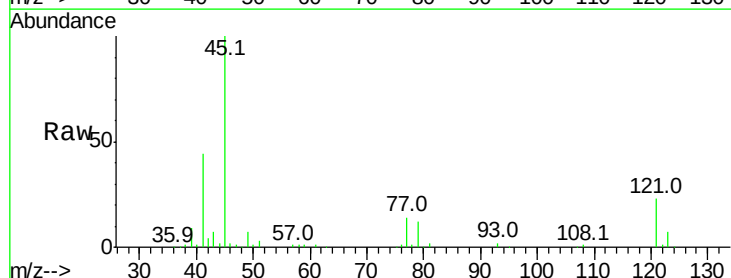
RT: 7.79 min Scan# 1072

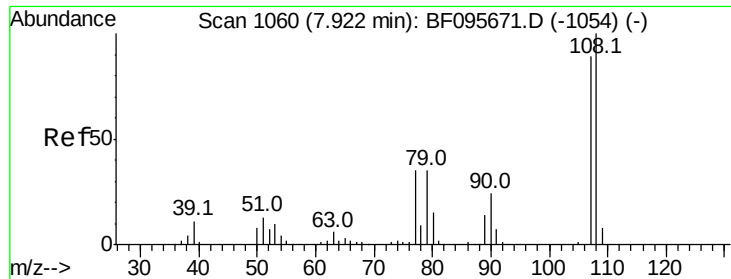
Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tgt Ion:	45	Resp:	297848
Ion Ratio	Lower	Upper	
45	100		
77	14.4	0.0	33.2
79	11.5	0.0	30.0



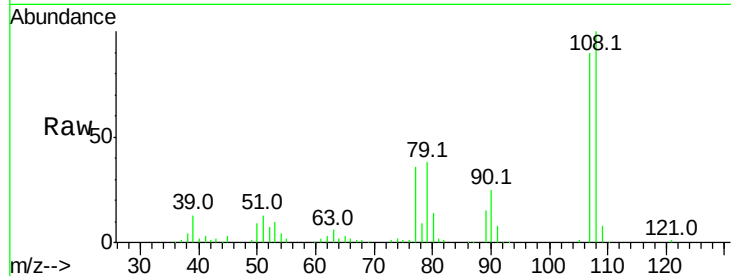


#17
2-Methylphenol
Concen: 45.22 ng
RT: 7.85 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

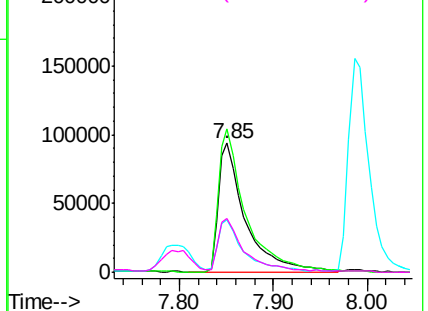
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.8	93.4	140.0	
77	40.4	35.8	53.6	
79	41.6	34.8	52.2	

Manual Integrations
APPROVED

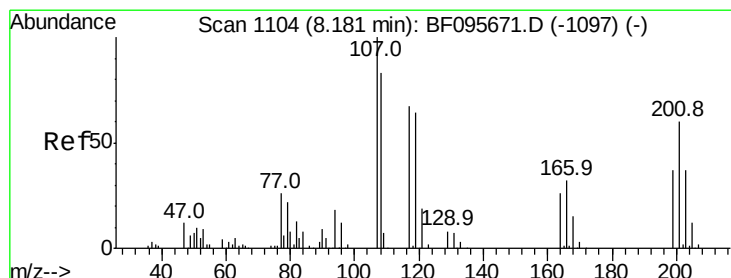
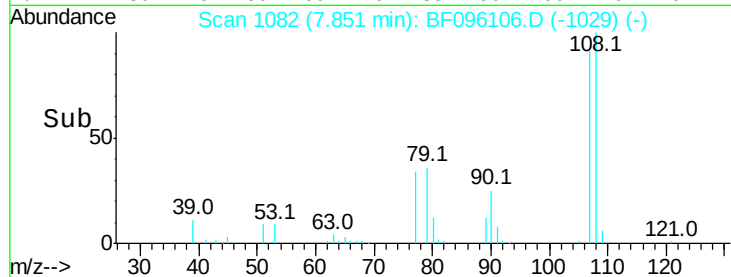


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



mohammad

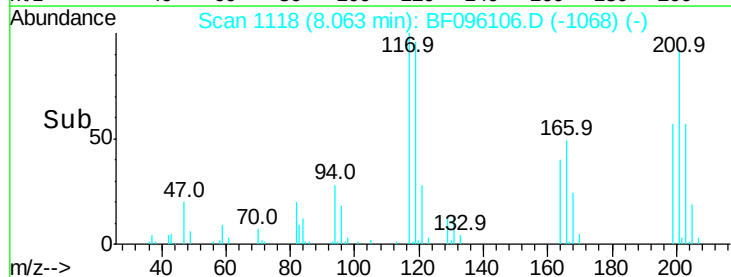
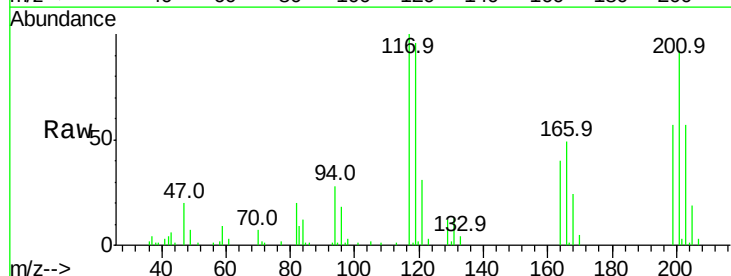
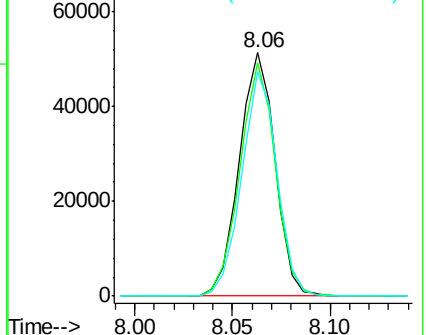
6/22/2017 6:02:55 PM

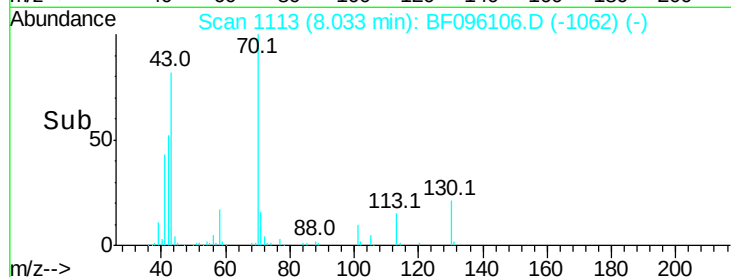
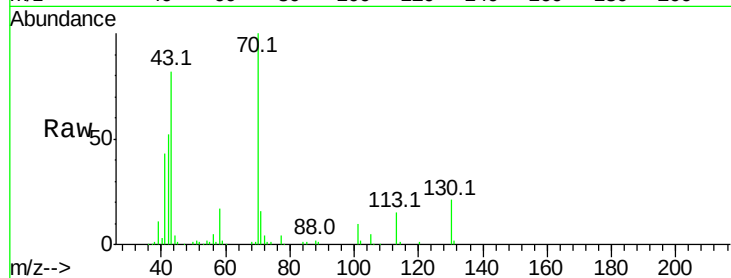
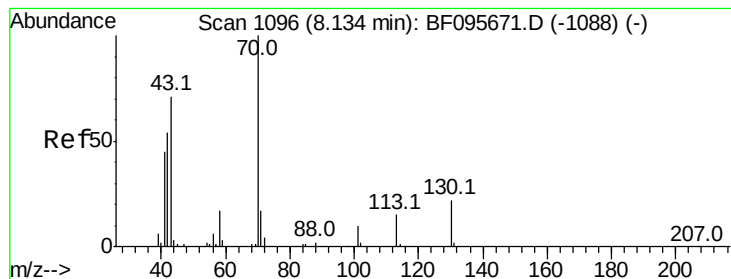


#18
Hexachloroethane
Concen: 34.26 ng
RT: 8.06 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.7	77.4	116.0	
201	92.1	94.6	141.8#	

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: 46.08 ng

RT: 8.03 min Scan# 1113

Delta R.T. 0.00 min

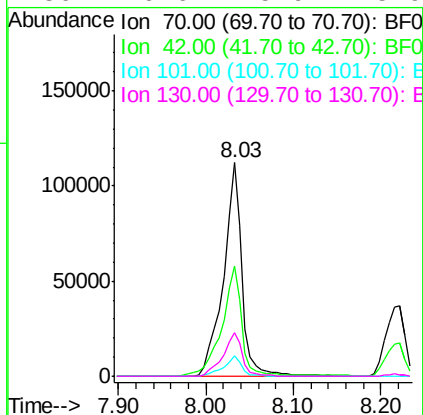
Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tot Ion:	70	Resp:	164995
Ion Ratio	Lower	Upper	
70	100		
42	51.8	47.2	70.8
101	9.9	7.2	10.8
130	20.6	15.9	23.9

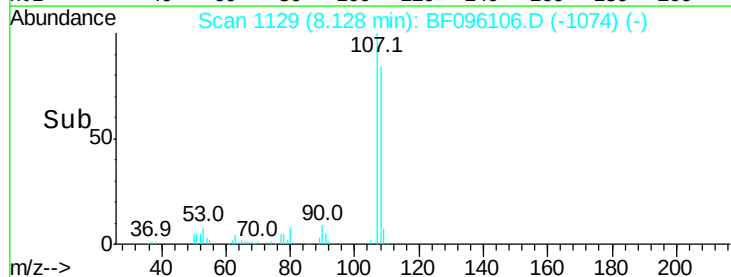
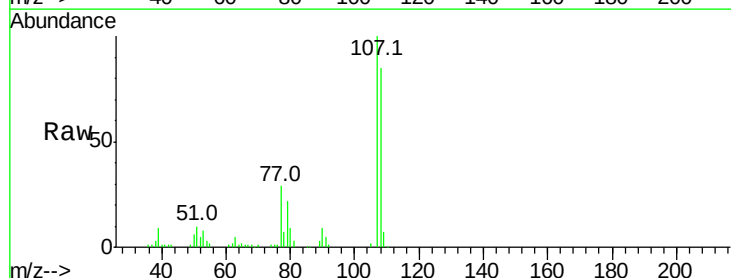
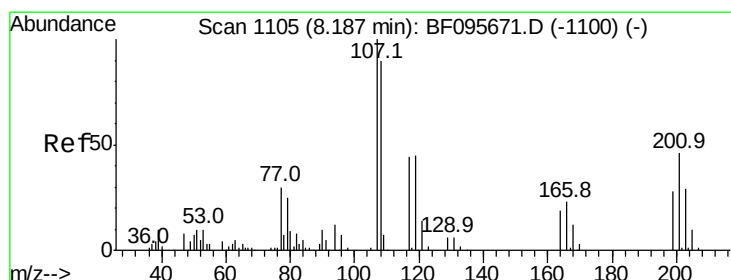
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Manual Integrations
APPROVED



mohammad

6/22/2017 6:02:55 PM



#20

3+4-Methylphenols

Concen: 47.58 ng

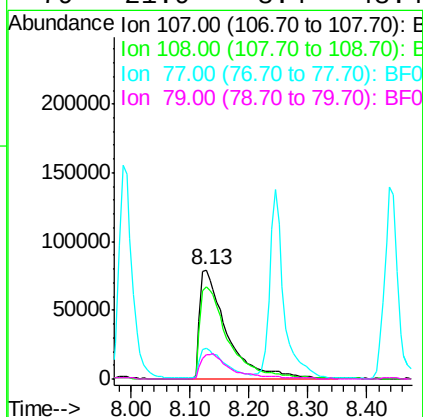
RT: 8.13 min Scan# 1129

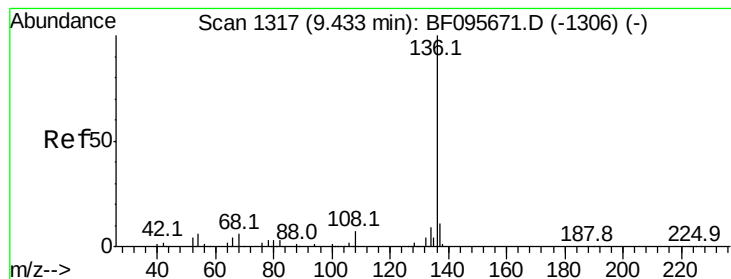
Delta R.T. 0.02 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tgt Ion:	107	Resp:	254359
Ion Ratio	Lower	Upper	
107	100		
108	84.6	71.0	111.0
77	28.7	90.5	130.5#
79	21.9	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

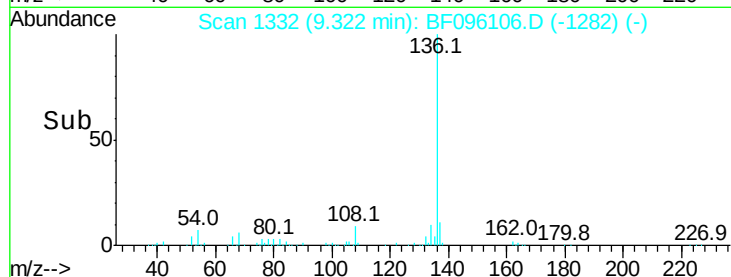
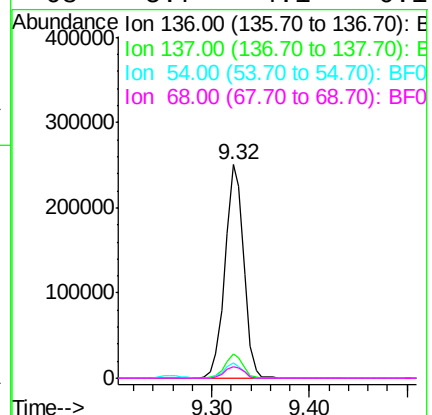
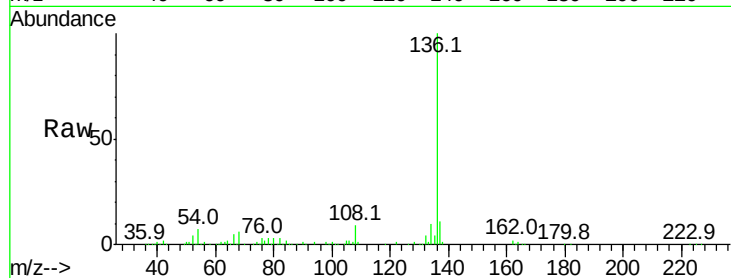
BNA_F

ClientSampleId :

SU-02-061617MS

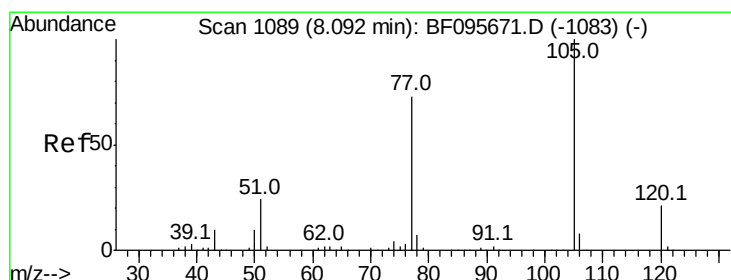
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.5	12.7	
54	7.3	4.9	7.3	
68	5.7	4.1	6.1	

Manual Integrations
APPROVED



mohammad

6/22/2017 6:02:55 PM



#22

Acetophenone

Concen: 42.64 ng

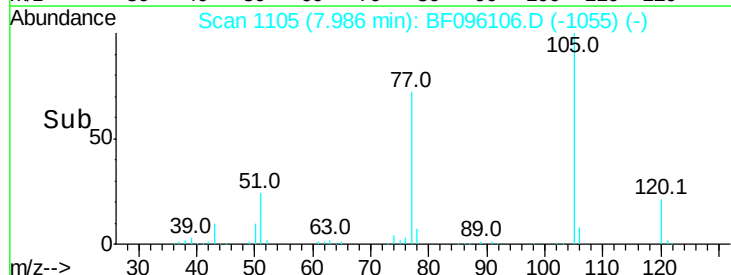
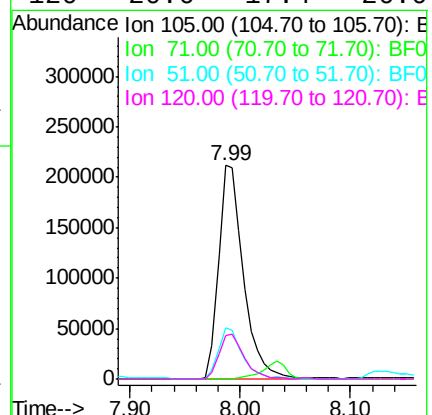
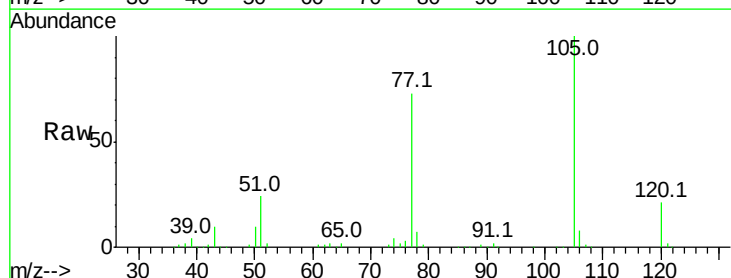
RT: 7.99 min Scan# 1105

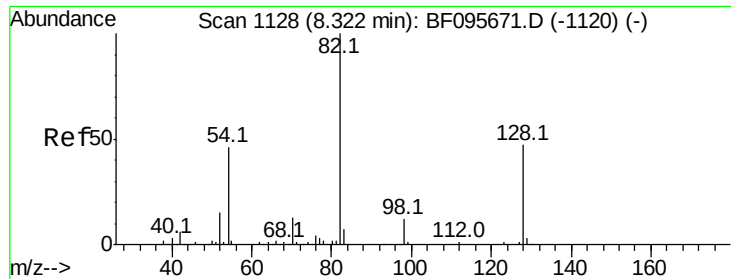
Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	2.8	4.2	
51	24.2	30.7	46.1	
120	20.6	17.4	26.0	



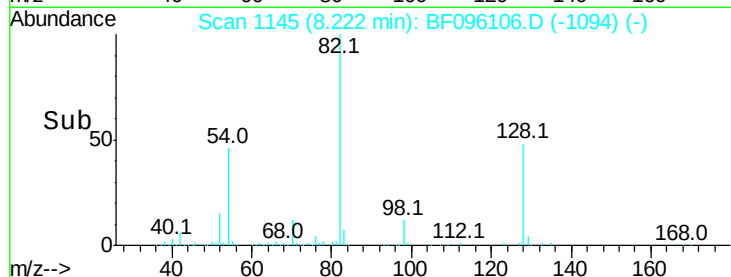
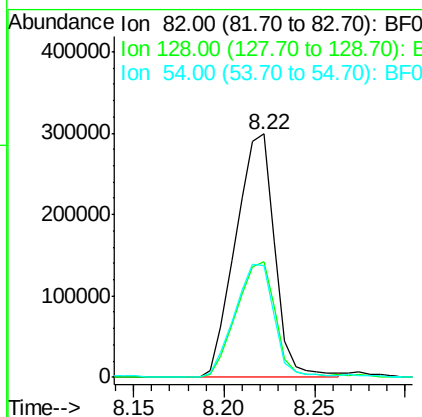
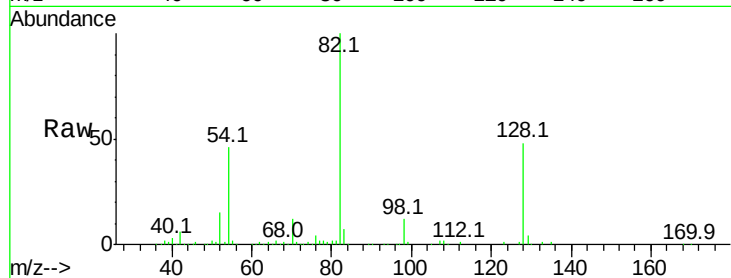


#23
 Nitrobenzene-d5
 Concen: 84.24 ng
 RT: 8.22 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

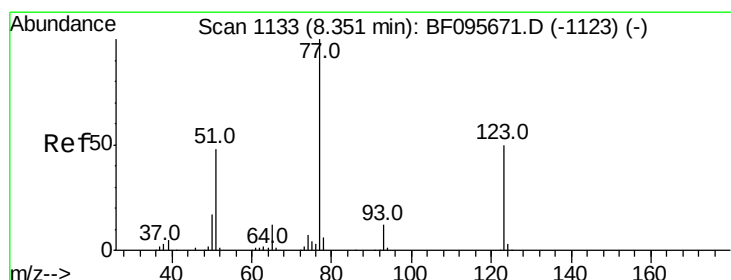
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.5	34.0	51.0	
54	46.1	42.2	63.2	

Manual Integrations
 APPROVED



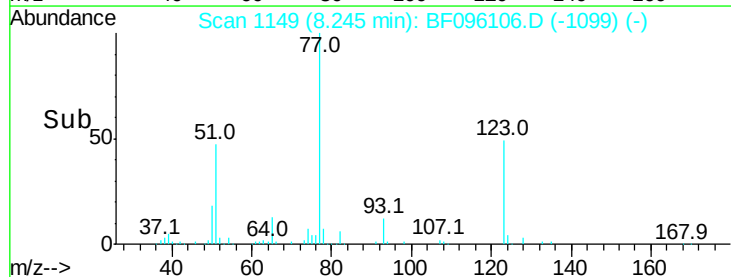
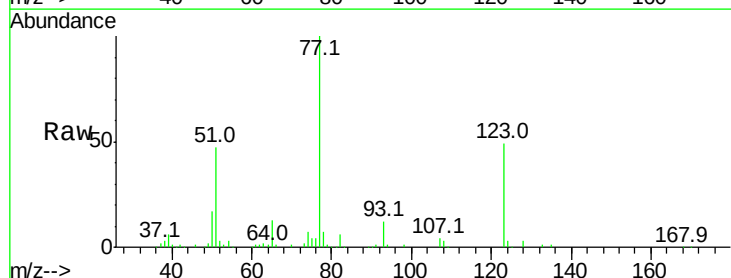
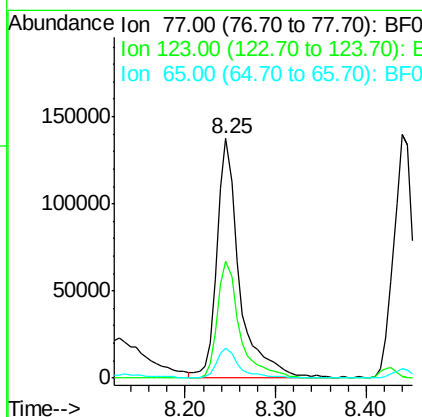
mohammad

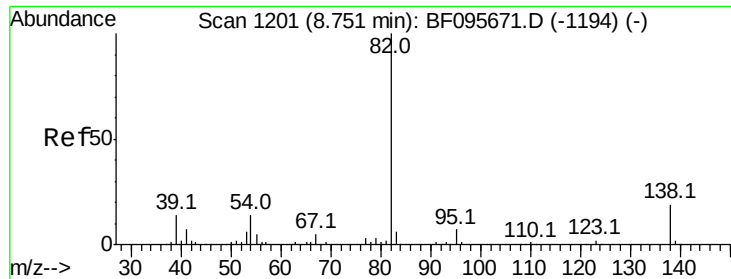
6/22/2017 6:02:55 PM



#24
 Nitrobenzene
 Concen: 40.64 ng
 RT: 8.25 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.0	35.8	53.8	
65	12.5	10.6	15.8	



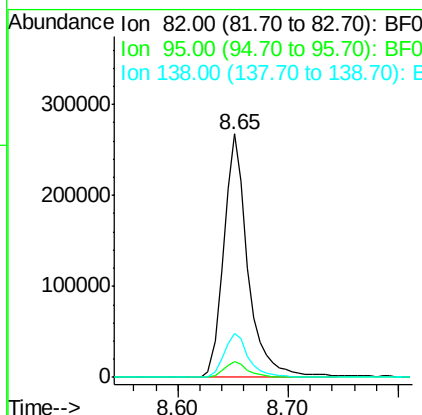
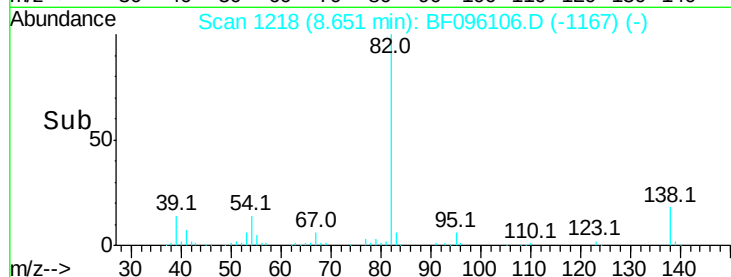
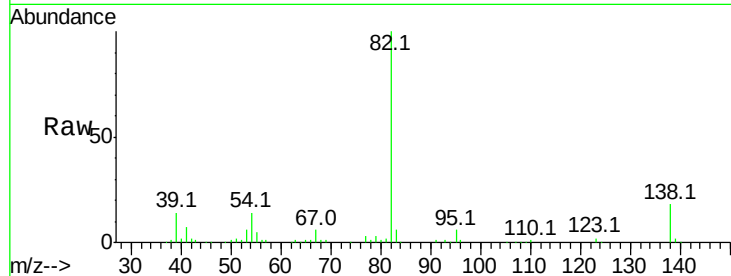


#25
Isophorone
Concen: 41.25 ng
RT: 8.65 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

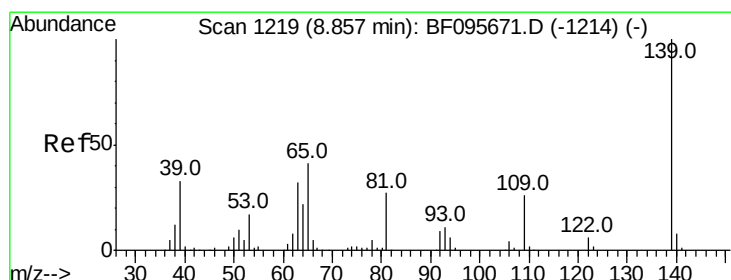
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.2	5.3	7.9	
138	18.0	13.1	19.7	

Manual Integrations
APPROVED



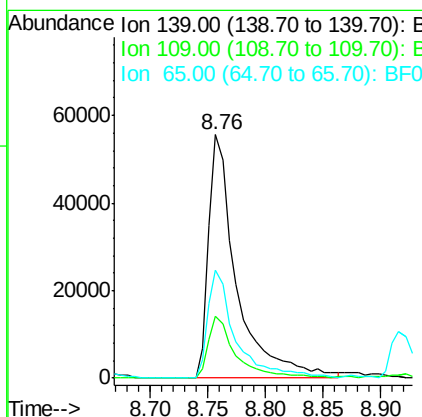
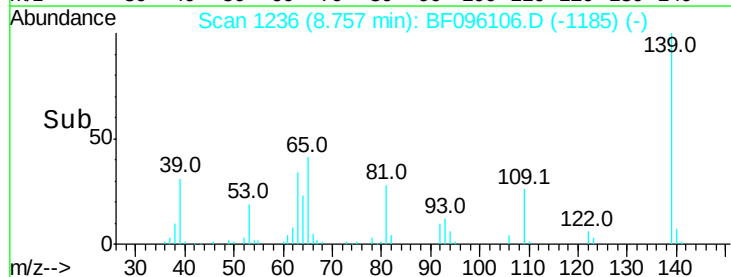
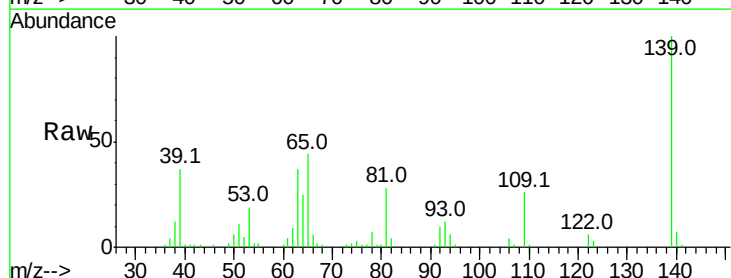
mohammad

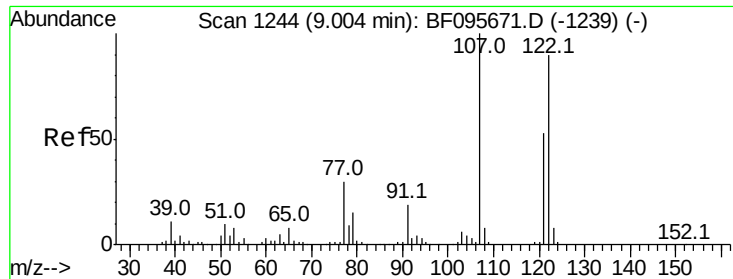
6/22/2017 6:02:55 PM



#26
2-Nitrophenol
Concen: 31.70 ng
RT: 8.76 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	25.5	21.0	31.6	
65	44.1	33.0	49.6	



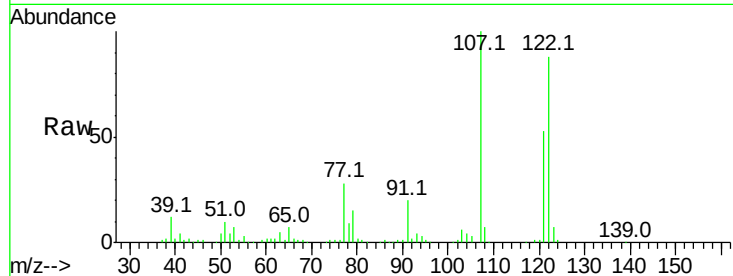


#27
2,4-Dimethylphenol
Concen: 44.19 ng
RT: 8.92 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.3	89.2	133.8
121	59.6	45.2	67.8

Manual Integrations
APPROVED

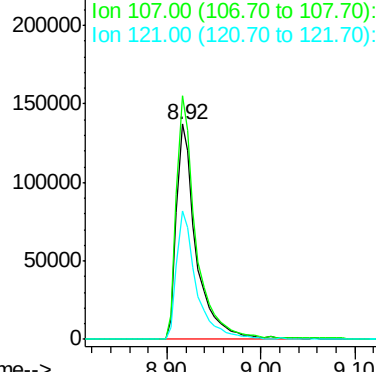


Abundance

Ion 122.00 (121.70 to 122.70): E

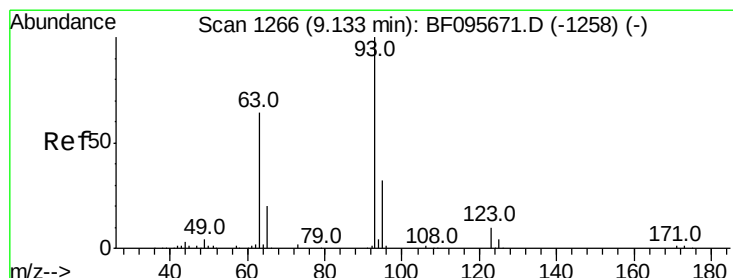
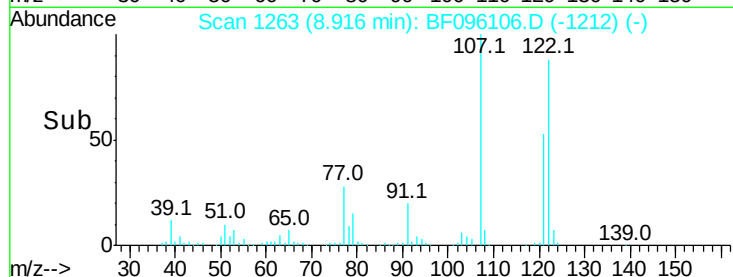
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



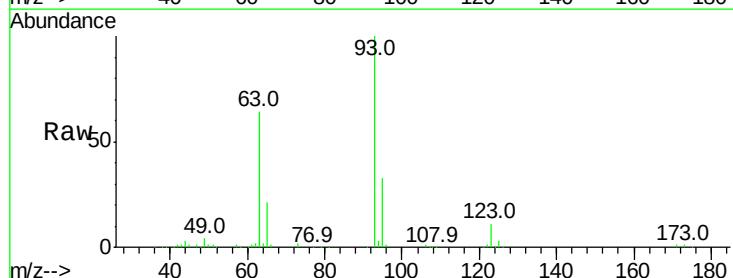
mohammad

6/22/2017 6:02:55 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.85 ng
RT: 9.03 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.5	39.7
123	10.5	9.0	13.4

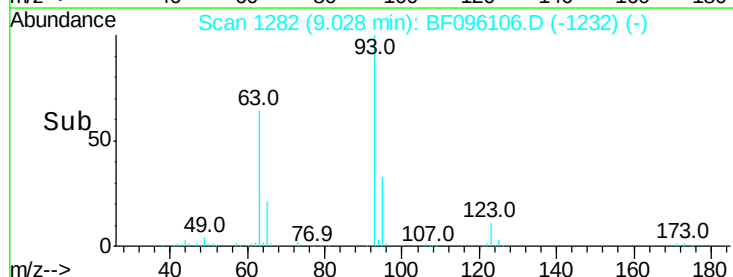
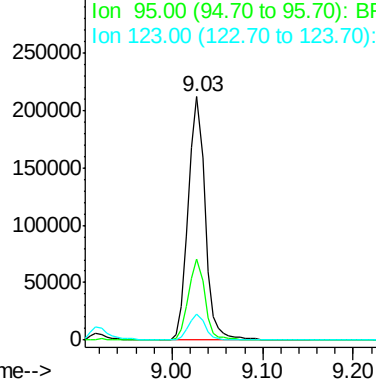


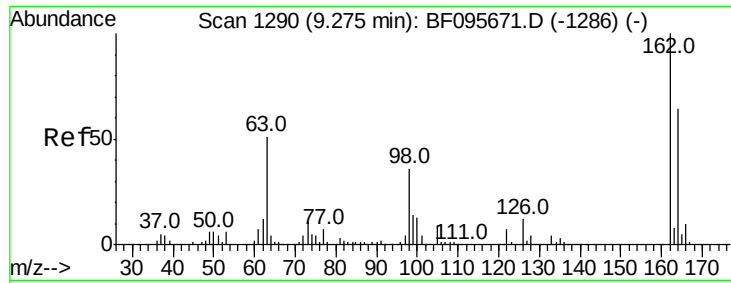
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E



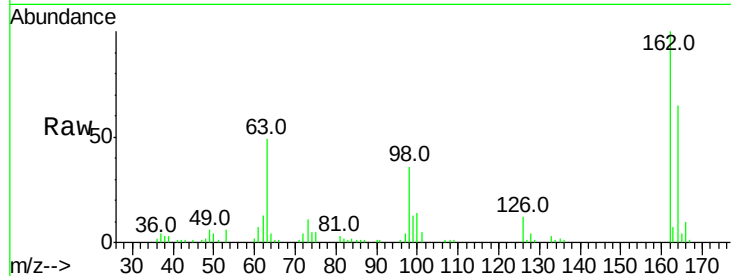


#29
 2,4-Dichlorophenol
 Concen: 43.34 ng
 RT: 9.21 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

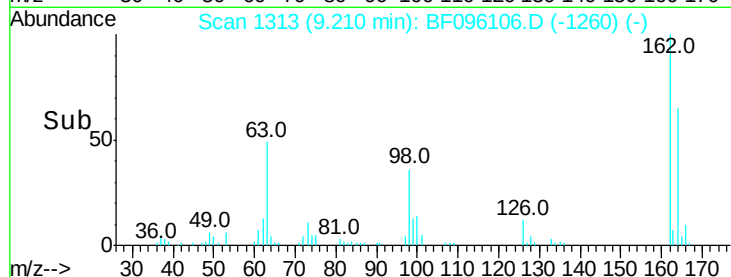
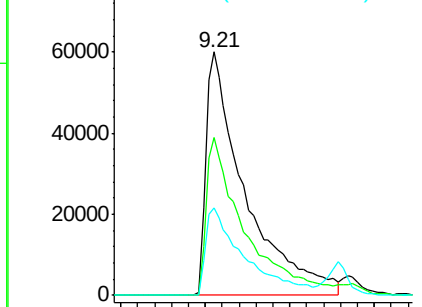
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.7	44.6	84.6
98	35.8	14.8	54.8

Manual Integrations
 APPROVED

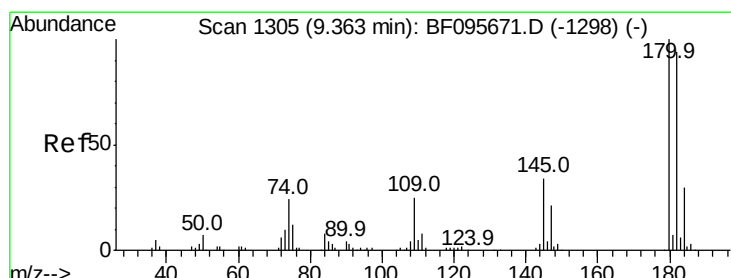


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0



mohammad

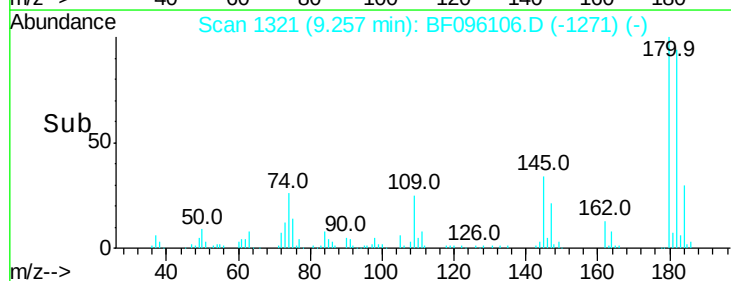
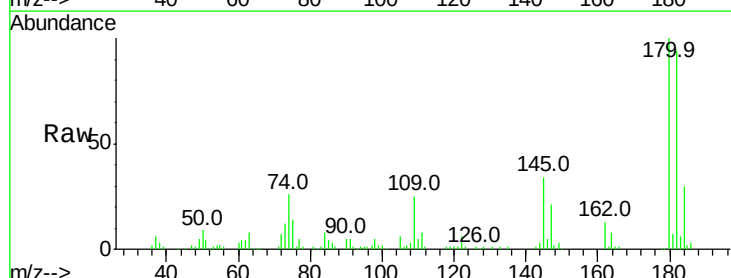
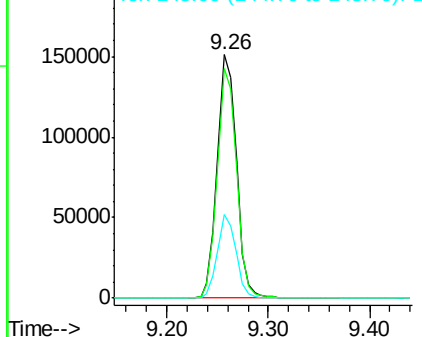
6/22/2017 6:02:55 PM

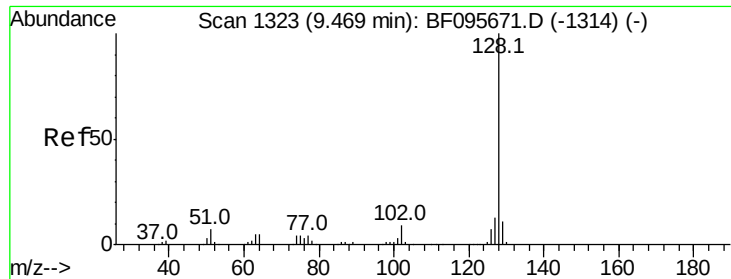


#30
 1,2,4-Trichlorobenzene
 Concen: 43.44 ng
 RT: 9.26 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.1	75.8	113.6
145	34.1	25.3	37.9

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E



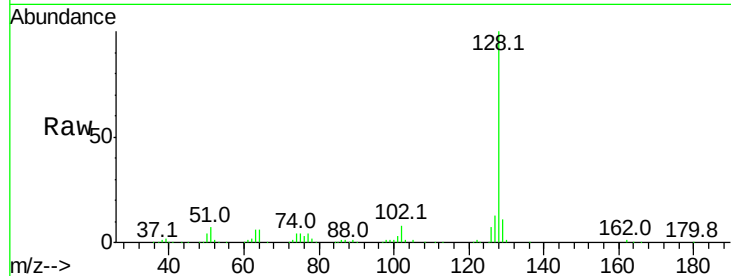


#31
Naphthalene
Concen: 44.15 ng
RT: 9.36 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

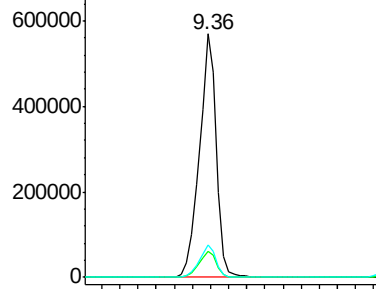
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	9.0	13.6	
127	13.3	10.8	16.2	

Manual Integrations
APPROVED

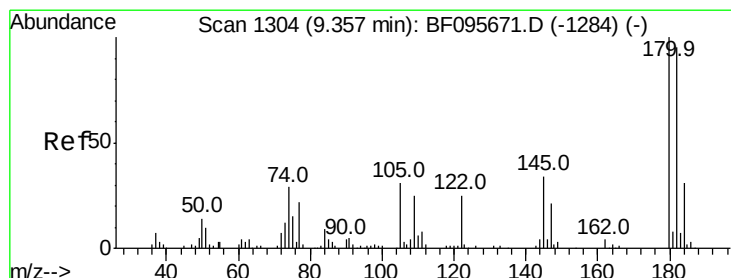
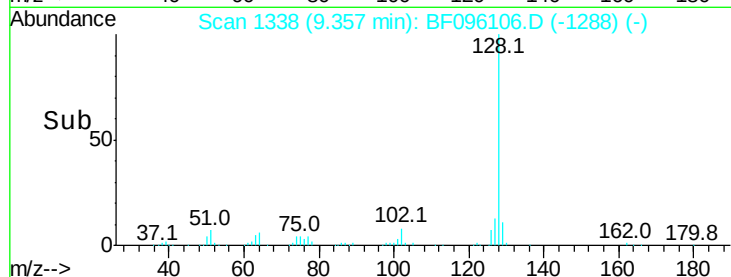


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



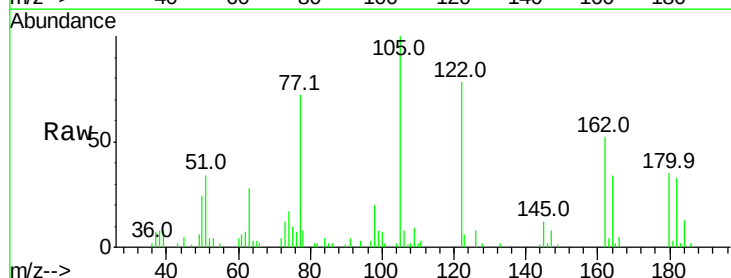
mohammad

6/22/2017 6:02:55 PM

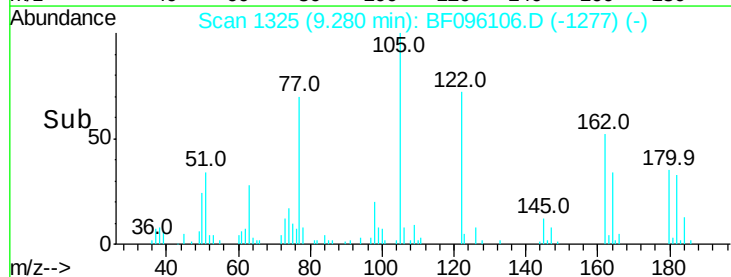
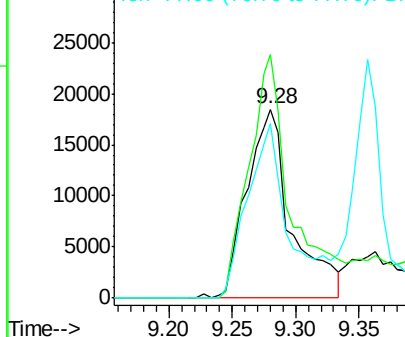


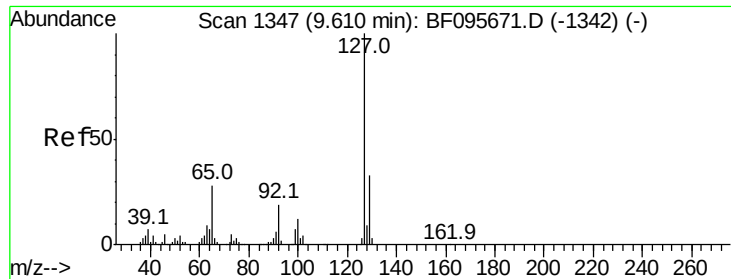
#32
Benzoic acid
Concen: 19.02 ng
RT: 9.28 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	129.0	103.3	143.3	
77	92.6	73.7	113.7	



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



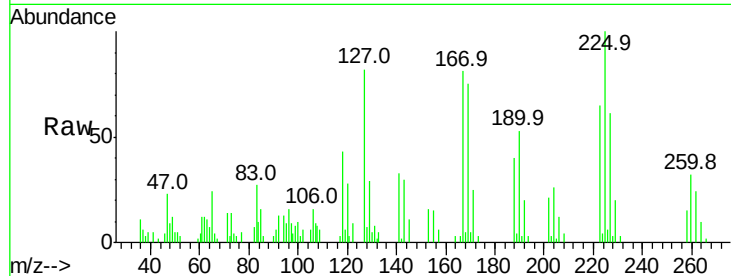


#33
4-Chloroaniline
Concen: 7.95 ng/ml
RT: 9.56 min Scan# 1372
Delta R.T. 0.04 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		51598		
129	35.0	26.2	39.2		
65	28.6	27.8	41.8		
92	15.6	16.8	25.2		

Manual Integrations
APPROVED



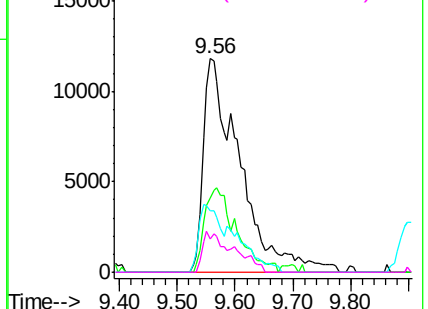
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

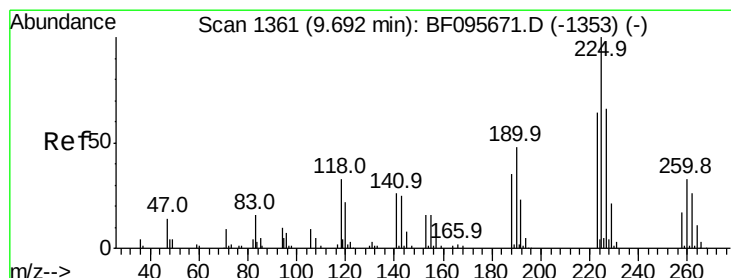
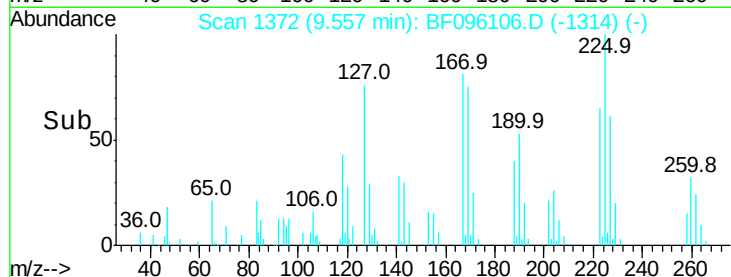
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



mohammad

6/22/2017 6:02:55 PM



#34
Hexachlorobutadiene
Concen: 41.06 ng/ml
RT: 9.57 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

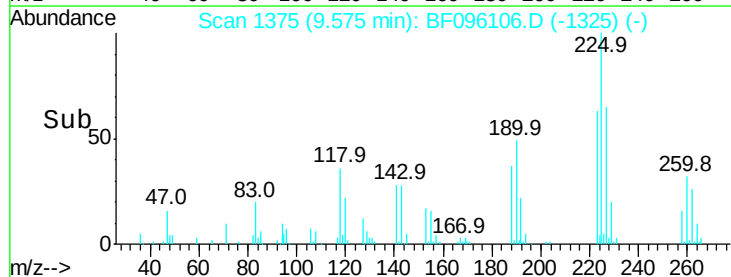
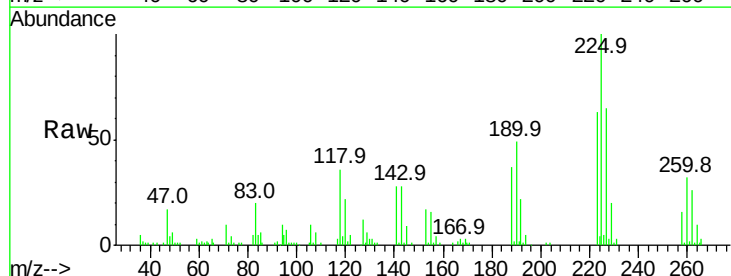
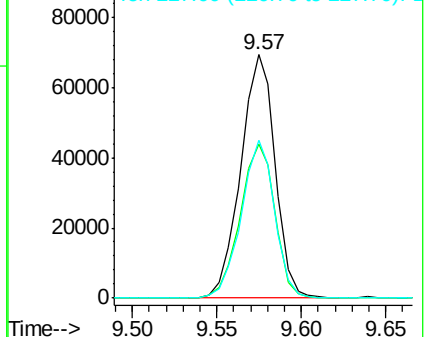
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		98330		
223	63.2	48.8	73.2		
227	64.9	51.1	76.7		

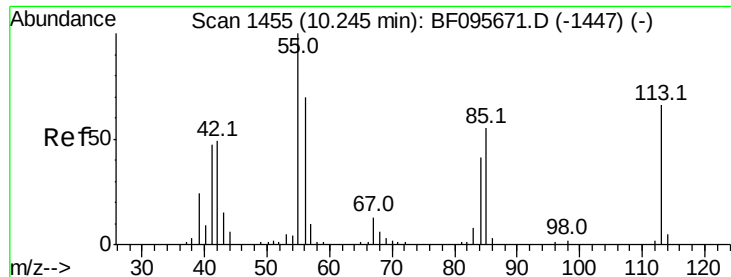
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 34.46 ng

RT: 10.16 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

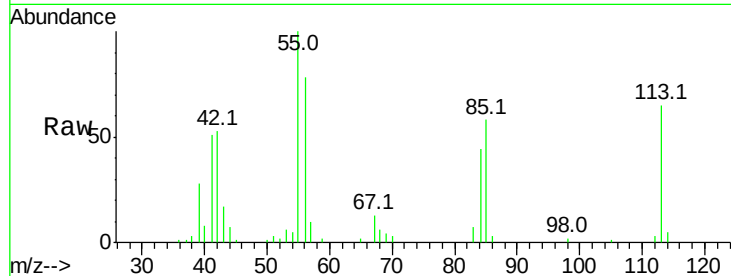
BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion:	113	Resp:	45676
Ion	Ratio	Lower	Upper
113	100		
55	153.5	150.2	190.2
56	119.0	107.8	147.8

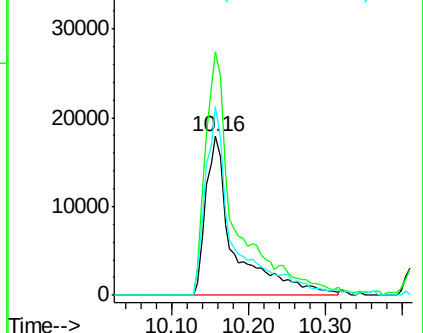
Manual Integrations
APPROVED



Abundance Ion 113.00 (112.70 to 113.70): E

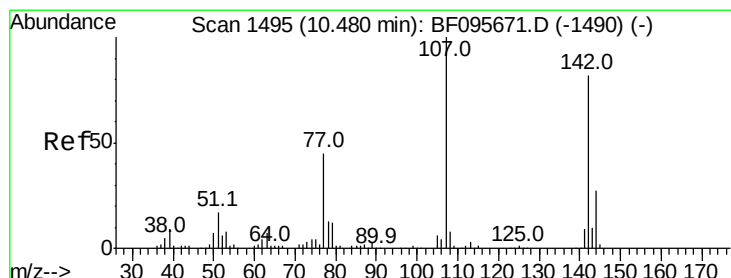
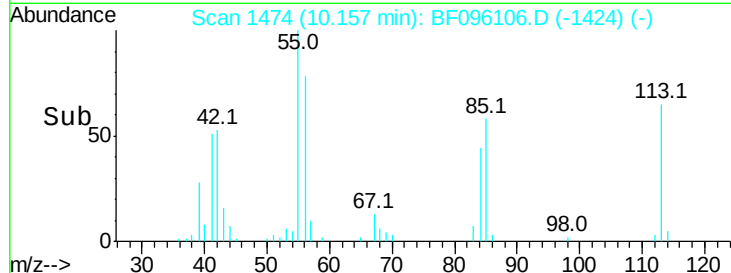
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



mohammad

6/22/2017 6:02:55 PM



#36

4-Chloro-3-methylphenol

Concen: 42.96 ng

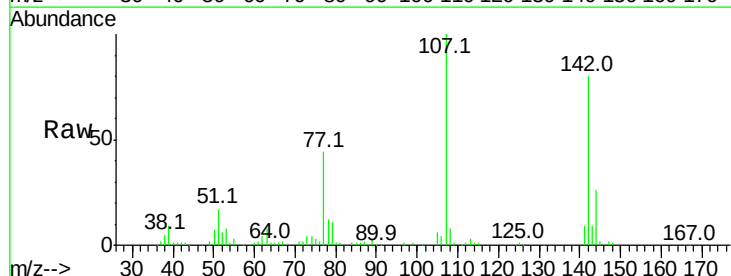
RT: 10.41 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

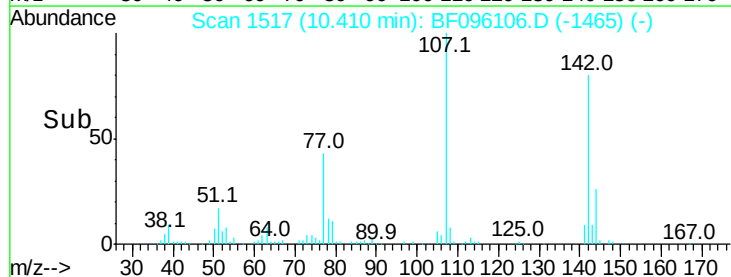
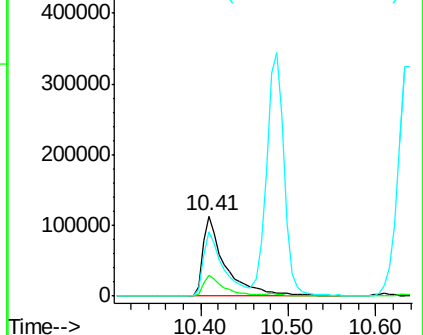
Tgt Ion:	107	Resp:	200309
Ion	Ratio	Lower	Upper
107	100		
144	25.8	24.2	36.4
142	79.9	73.4	110.0

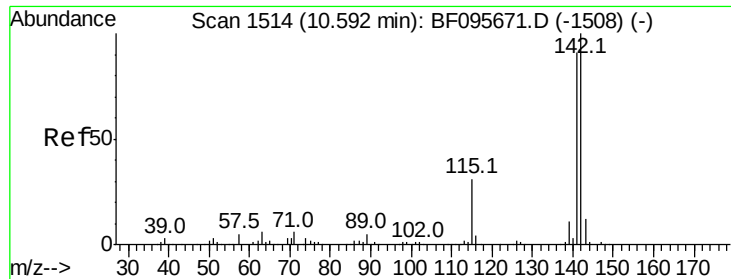


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



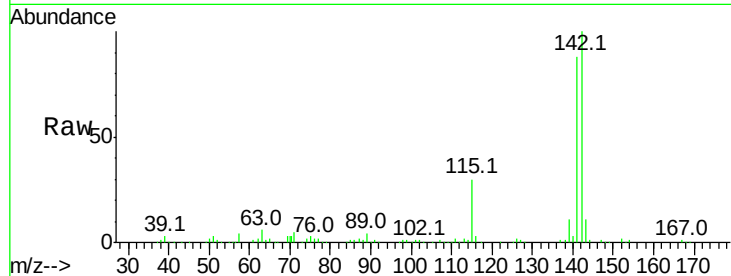


#37
2-Methylnaphthalene
Concen: 42.80 ng
RT: 10.49 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

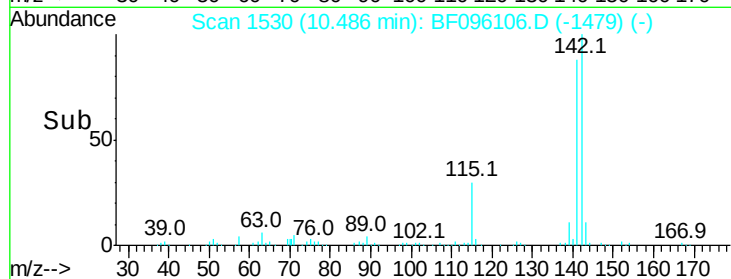
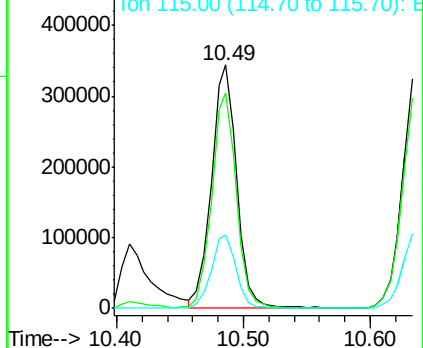
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	30.2	27.1	40.7

Manual Integrations
APPROVED

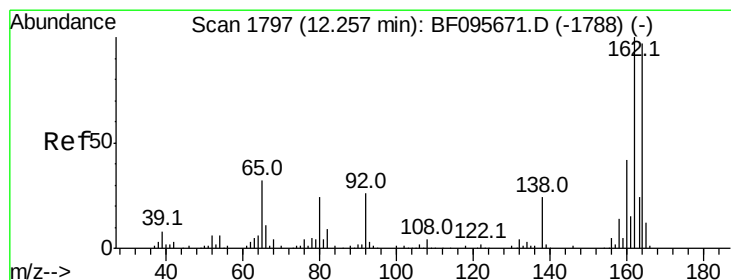


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



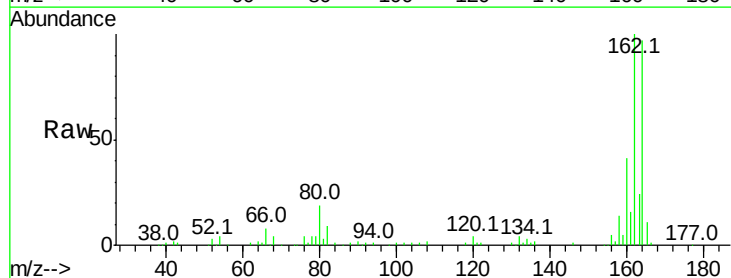
mohammad

6/22/2017 6:02:55 PM

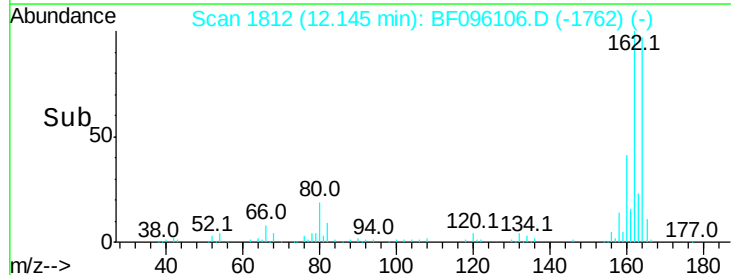
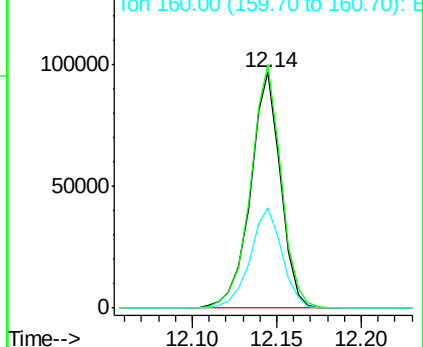


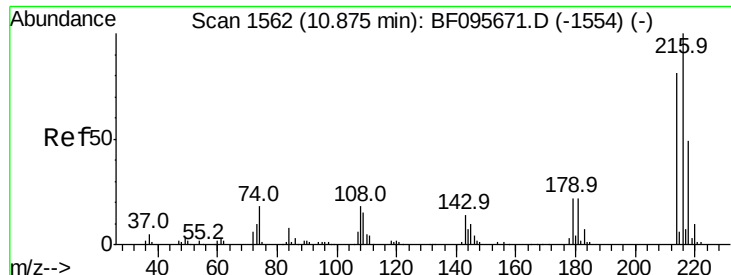
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	42.5	36.2	54.2



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



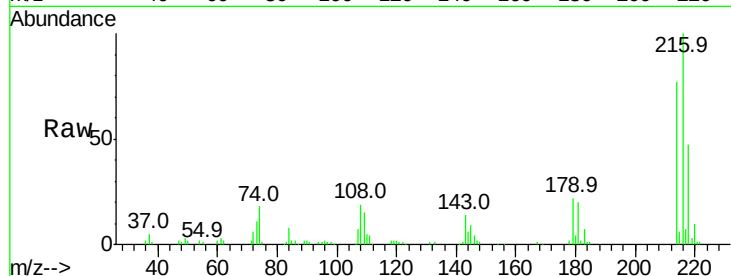


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.76 ng
 RT: 10.77 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

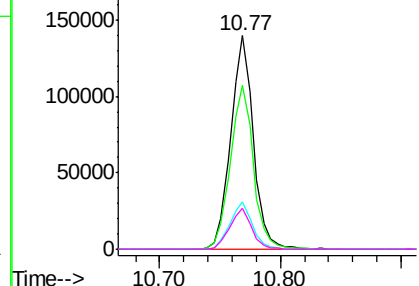
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	181707		
214	78.1		63.4	95.2
179	21.9		17.9	26.9
108	18.5		16.5	24.7

Manual Integrations
 APPROVED

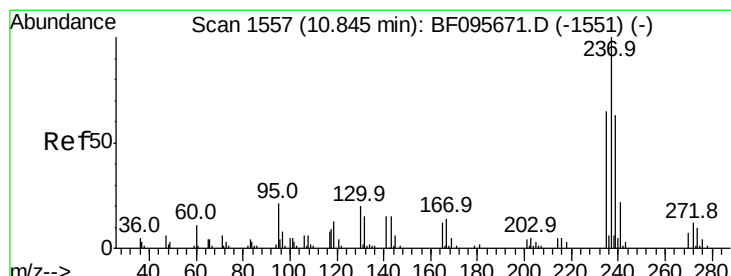
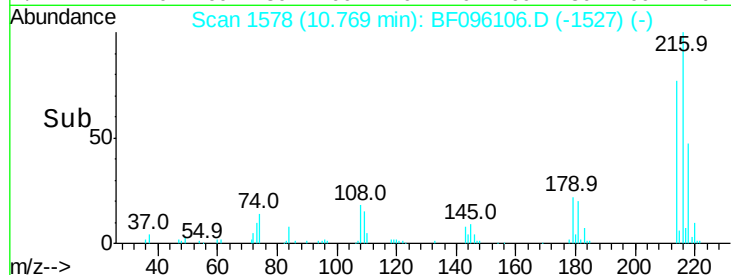


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



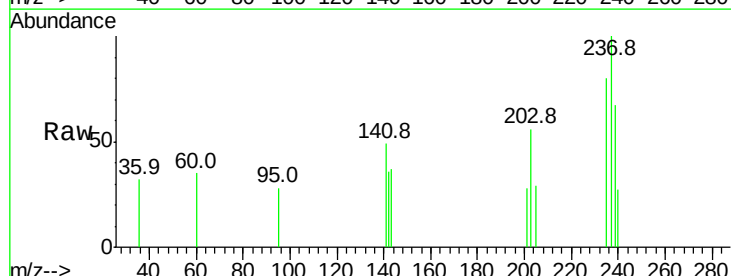
mohammad

6/22/2017 6:02:55 PM

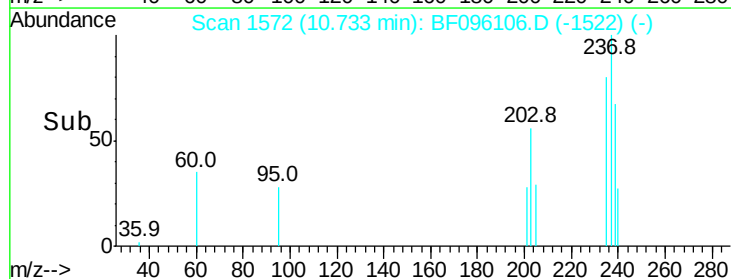
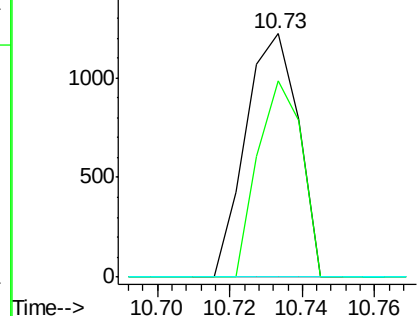


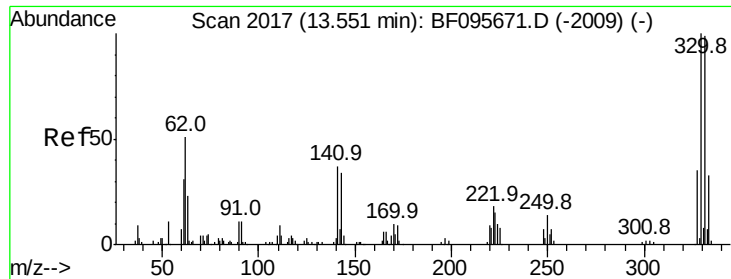
#40
 Hexachlorocyclopentadiene
 Concen: 12.19 ng
 RT: 10.73 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	1237		
235	80.4		42.6	82.6
272	0.0		0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E



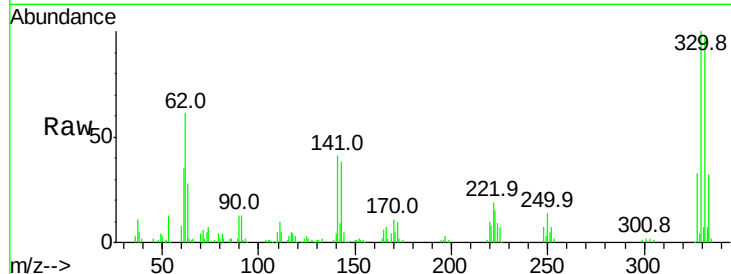


#41
 2,4,6-Tribromophenol
 Concen: 135.50 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

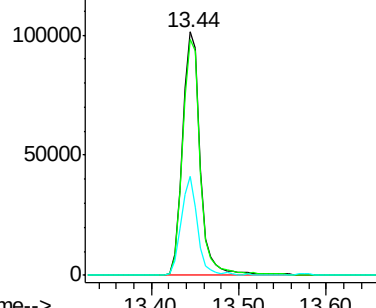
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	37.4	31.4	47.2

Manual Integrations
 APPROVED

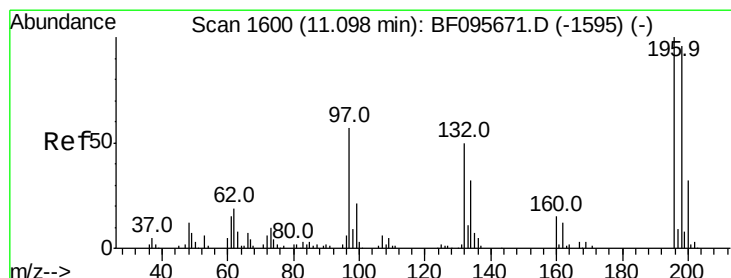
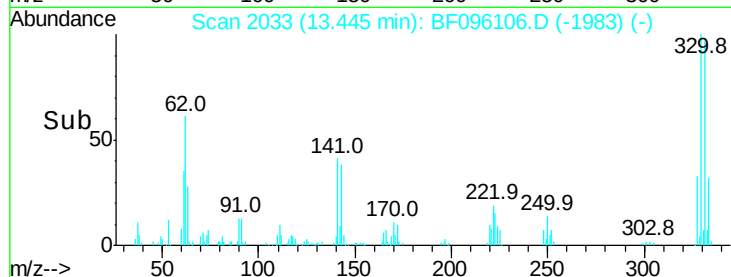


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



mohammad

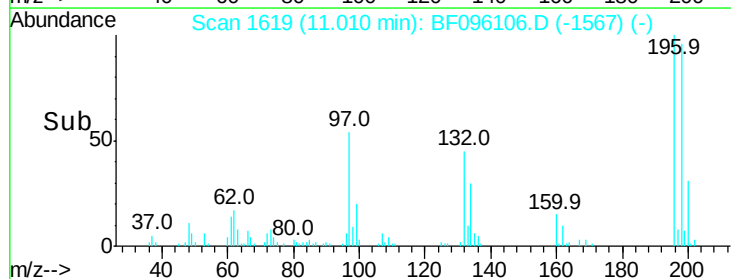
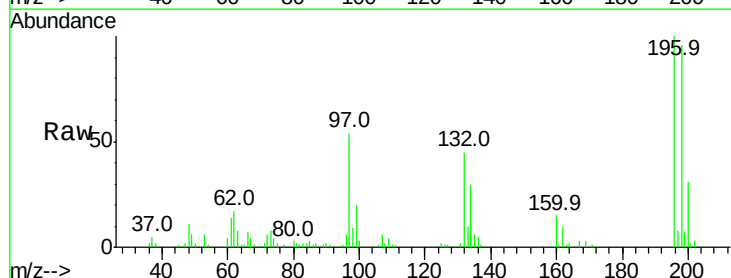
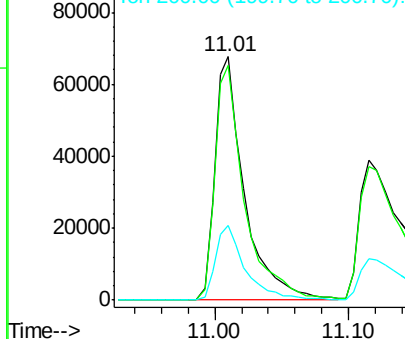
6/22/2017 6:02:55 PM

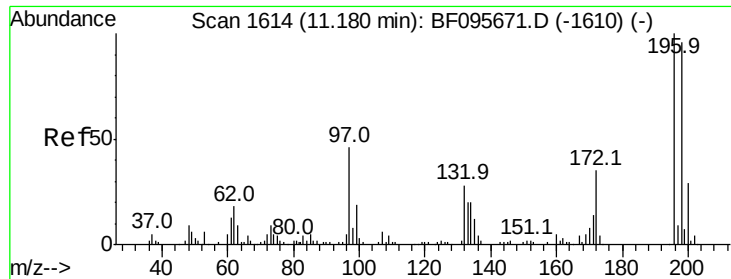


#42
 2,4,6-Trichlorophenol
 Concen: 45.83 ng
 RT: 11.01 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.4	74.2	111.4
200	30.9	24.0	36.0

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



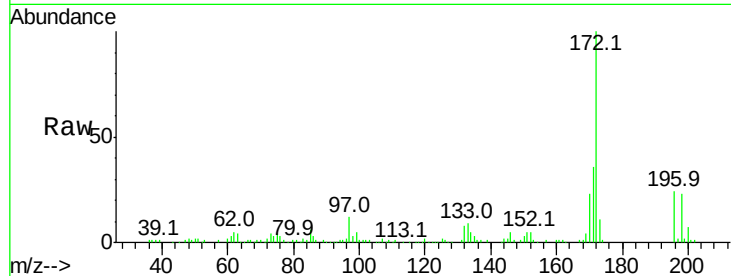


#43
2,4,5-Trichlorophenol
Concen: 42.01 ng
RT: 11.12 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

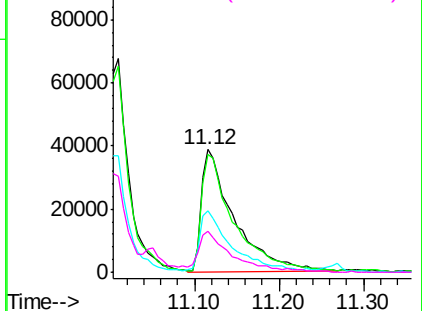
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	196	Resp	102857
Ion Ratio	Lower	Upper	
196	100		
198	96.0	75.7	113.5
97	50.1	47.7	71.5
132	33.4	28.0	42.0

Manual Integrations
APPROVED

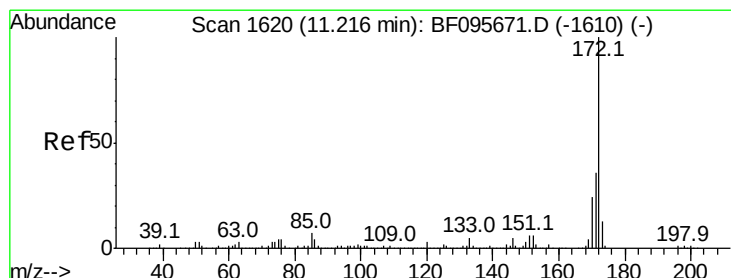
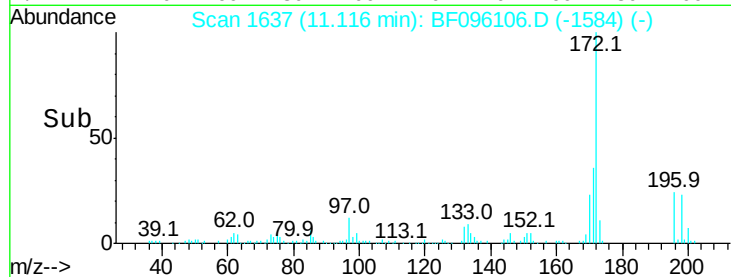


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E



mohammad

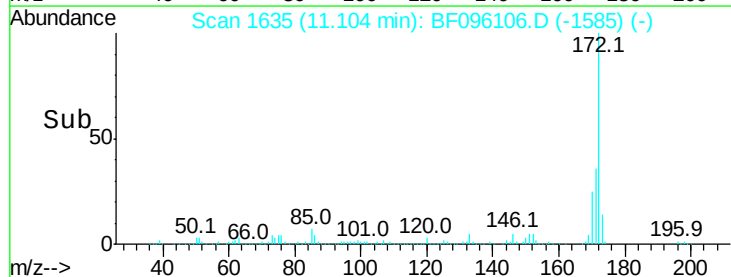
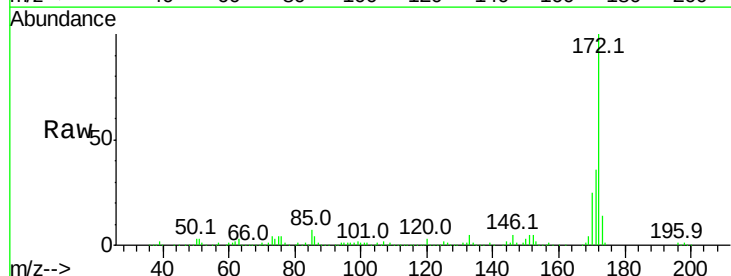
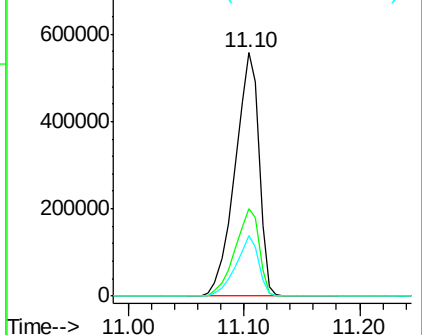
6/22/2017 6:02:55 PM

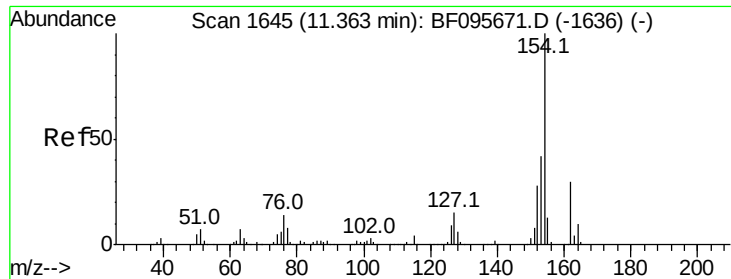


#44
2-Fluorobiphenyl
Concen: 93.17 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	172	Resp	800845
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	24.7	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 47.09 ng

RT: 11.25 min Scan# 1660

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

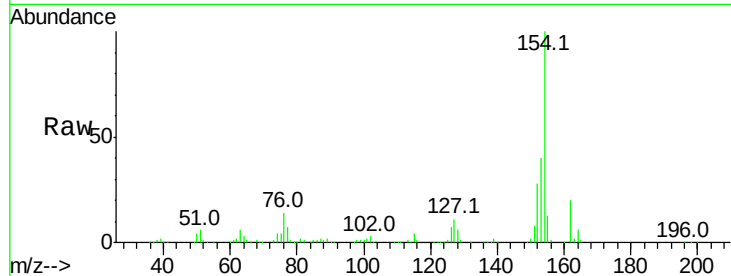
BNA_F

ClientSampleId :

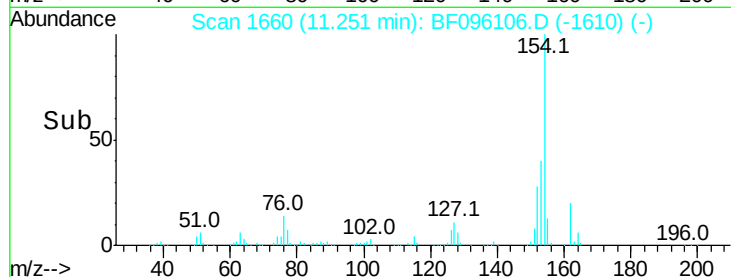
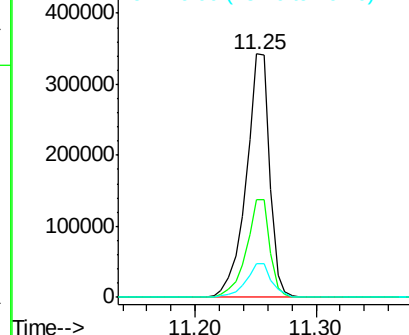
SU-02-061617MS

Tot Ion:	154	Resp:	464204
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.2	61.2
76	13.8	0.0	29.9

Manual Integrations
APPROVED

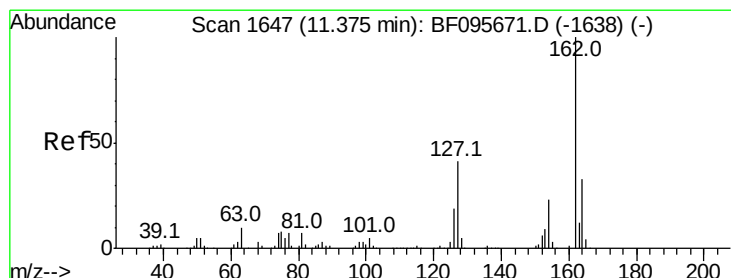


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



mohammad

6/22/2017 6:02:55 PM



#46

2-Chloronaphthalene

Concen: 45.36 ng

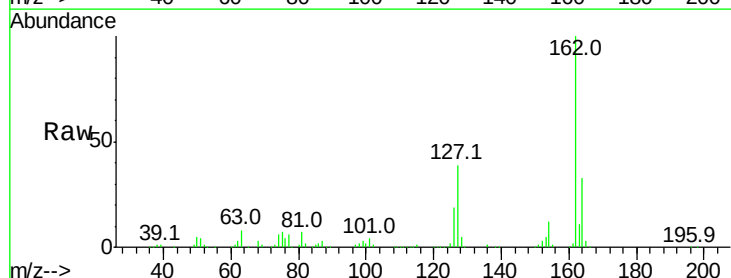
RT: 11.27 min Scan# 1663

Delta R.T. 0.00 min

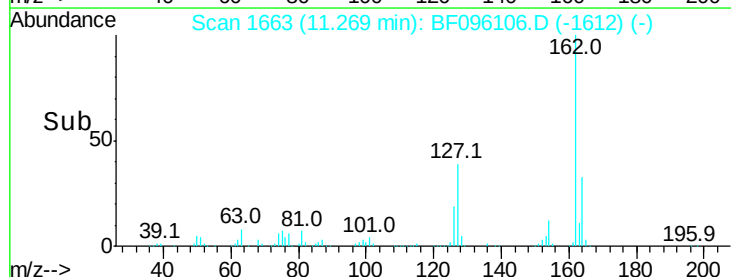
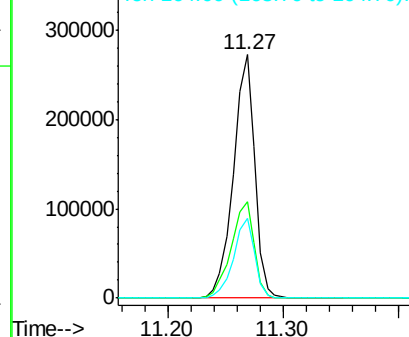
Lab File: BF096106.D

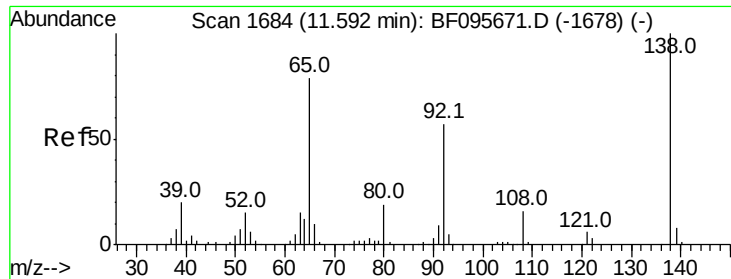
Acq: 22 Jun 2017 4:47

Tgt Ion:	162	Resp:	349364
Ion Ratio	Lower	Upper	
162	100		
127	39.5	28.3	42.5
164	32.6	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



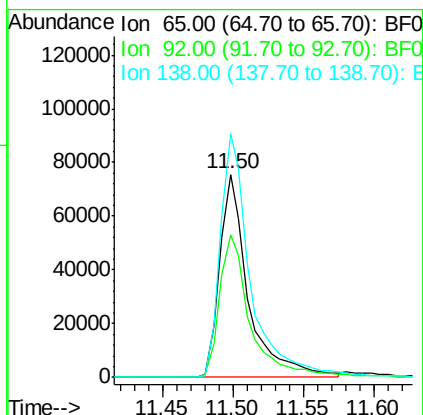
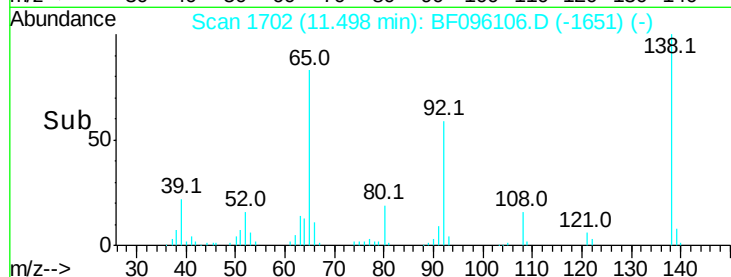
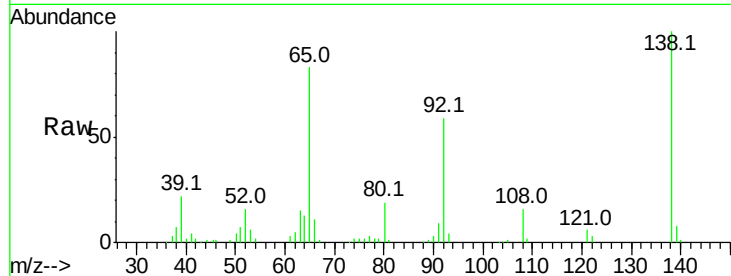


#47
2-Nitroaniline
Concen: 47.80 ng
RT: 11.50 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

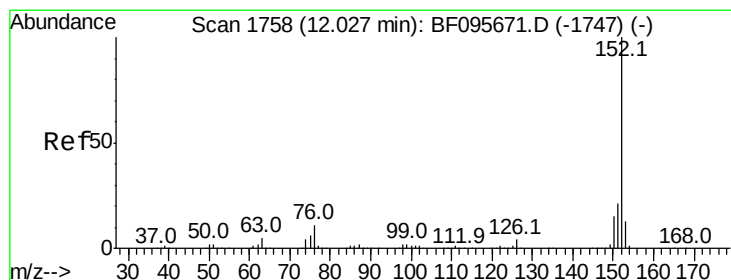
Tot Ion	Ratio	Lower	Upper
65	100		
92	70.3	53.9	80.9
138	120.0	78.8	118.2

Manual Integrations
APPROVED



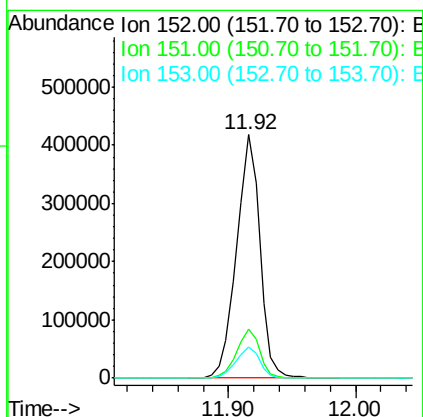
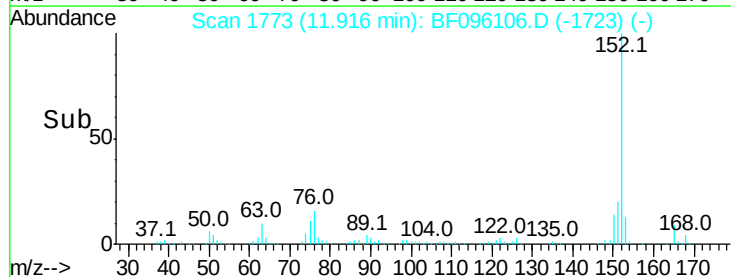
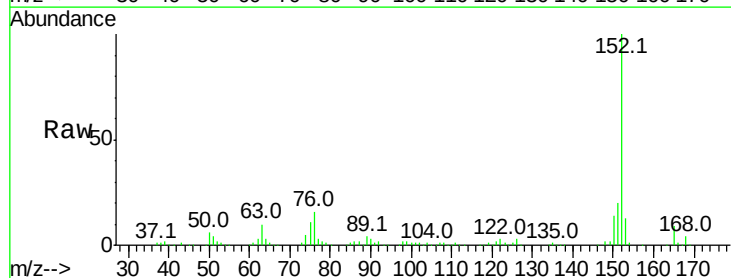
mohammad

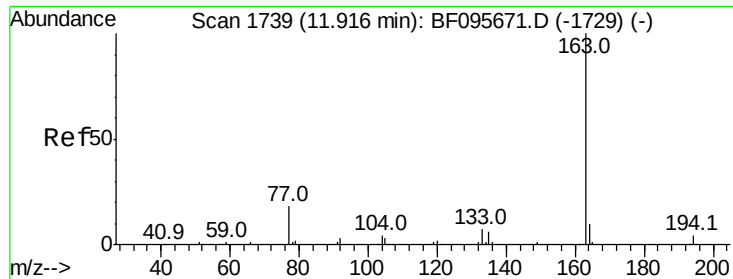
6/22/2017 6:02:55 PM



#48
Acenaphthylene
Concen: 40.46 ng
RT: 11.92 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	12.9	10.8	16.2



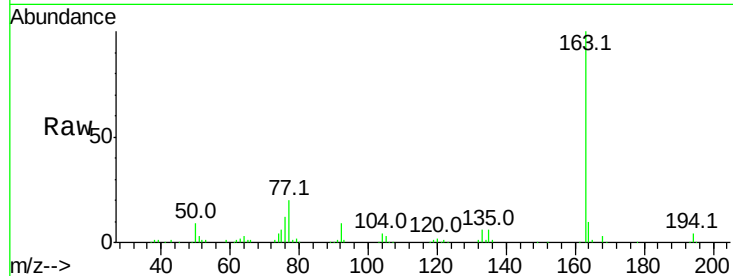


#49
Dimethylphthalate
Concen: 47.81 ng
RT: 11.81 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	10.0	8.4	12.6	

Manual Integrations
APPROVED

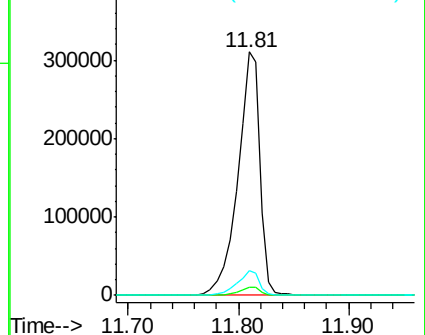


Abundance

Ion 163.00 (162.70 to 163.70): E

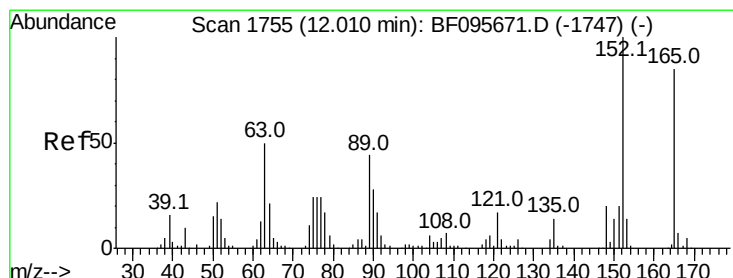
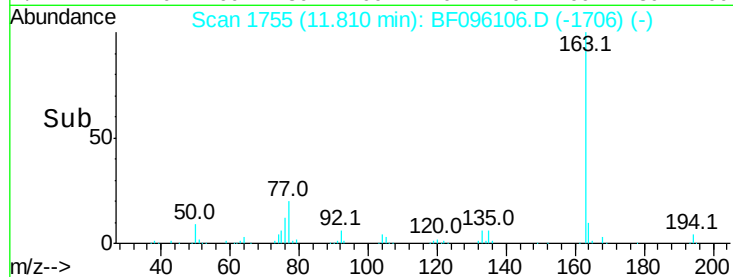
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



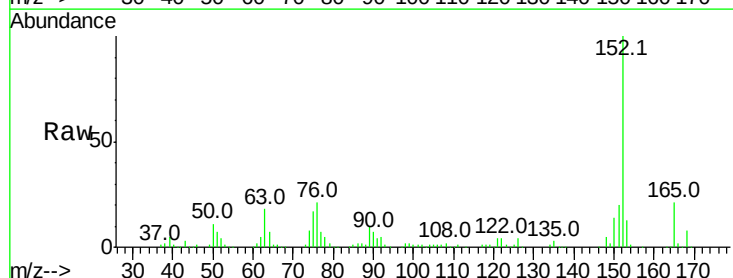
mohammad

6/22/2017 6:02:55 PM



#50
2,6-Dinitrotoluene
Concen: 37.75 ng
RT: 11.91 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	84.5	34.3	51.5#	
89	47.8	37.1	55.7	

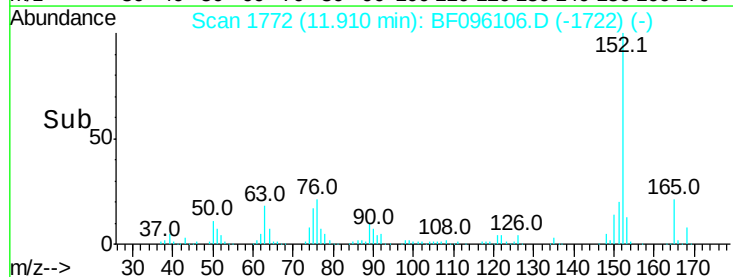
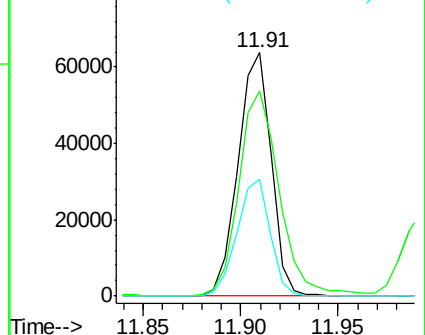


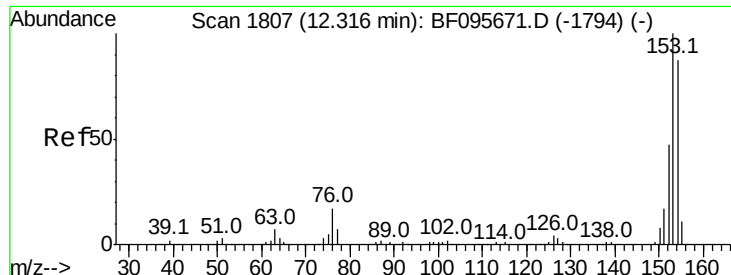
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.04 ng

RT: 12.20 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion:154 Resp: 327419

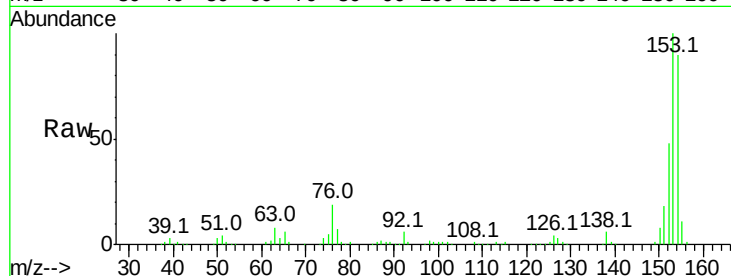
Ion Ratio Lower Upper

154 100

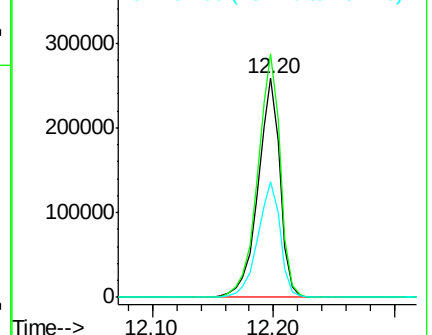
153 111.3 90.5 135.7

152 52.9 43.6 65.4

Manual Integrations
APPROVED

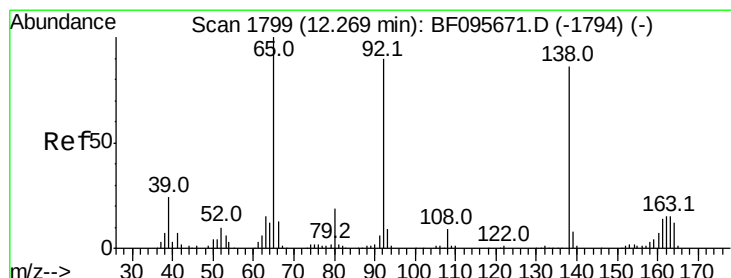
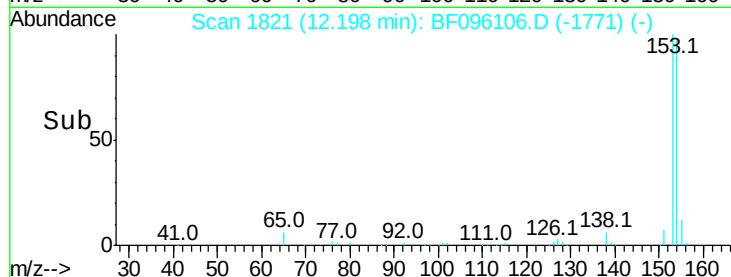


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



mohammad

6/22/2017 6:02:55 PM



#52

3-Nitroaniline

Concen: 30.44 ng

RT: 12.18 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

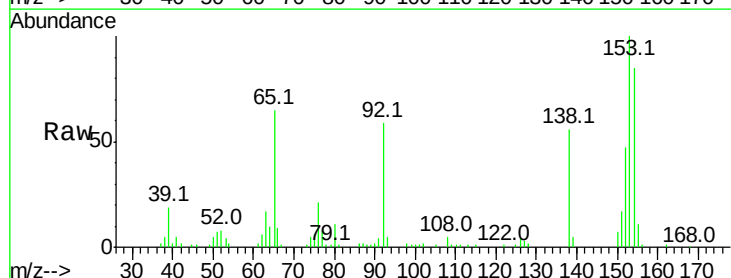
Tgt Ion:138 Resp: 70260

Ion Ratio Lower Upper

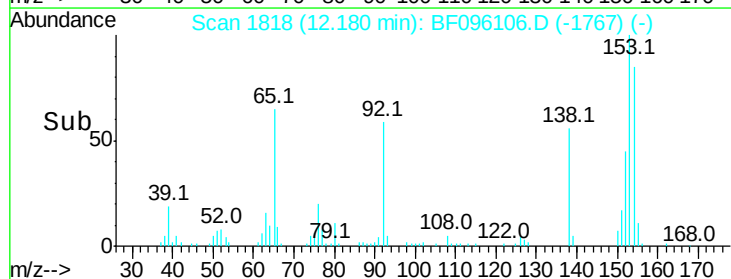
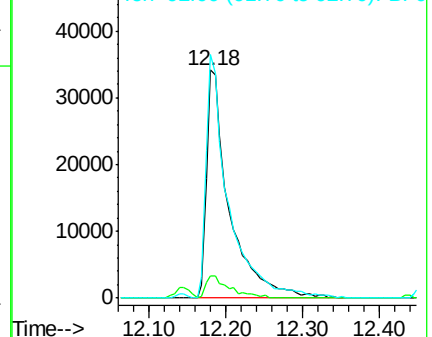
138 100

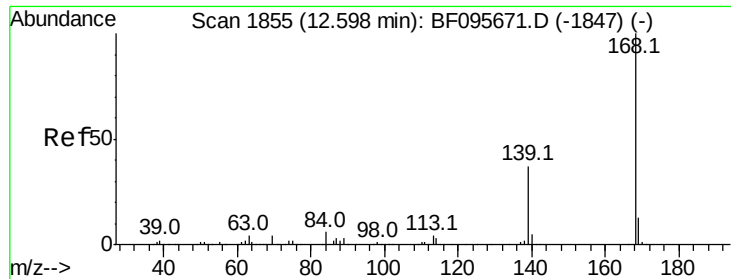
108 9.7 9.1 13.7

92 106.7 93.8 140.6



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): BF0



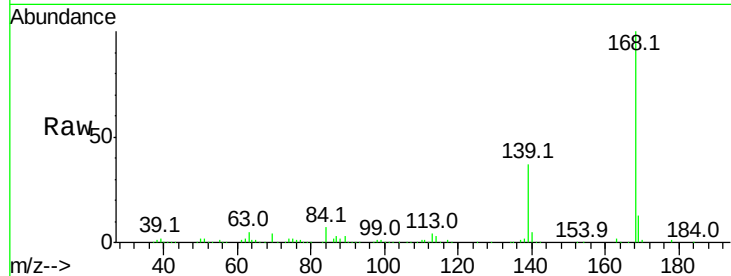


#54
Dibenzenofuran
Concen: 50.01 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

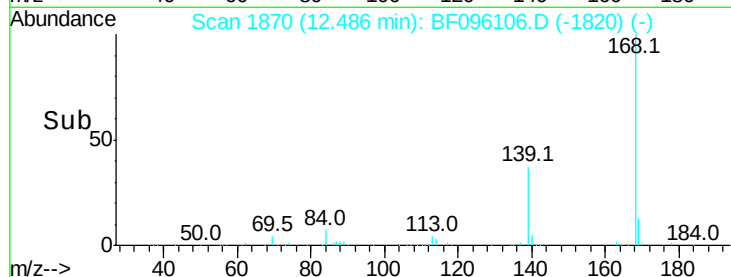
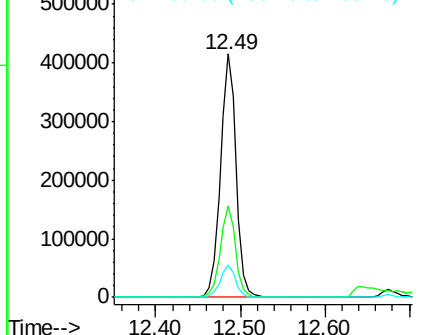
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.6	45.8
169	13.5	10.8	16.2

Manual Integrations
APPROVED

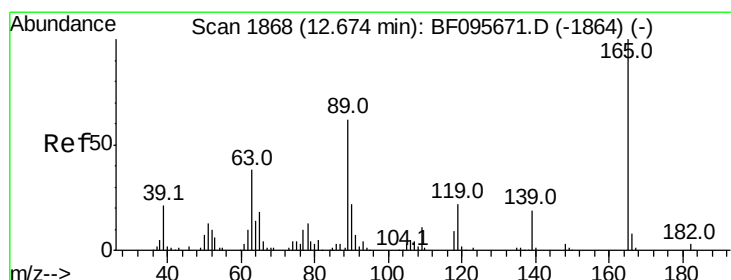


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



mohammad

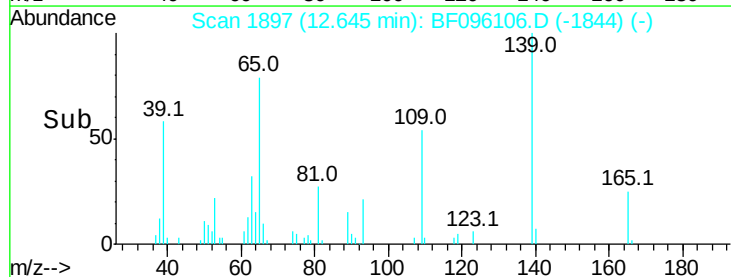
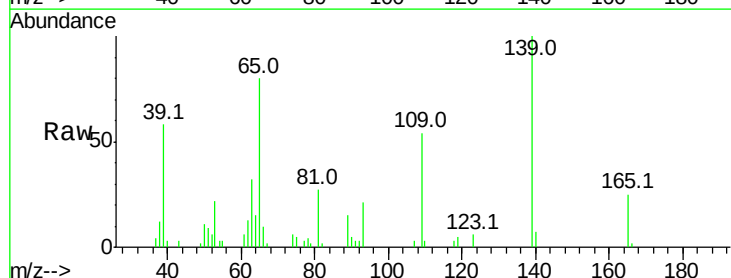
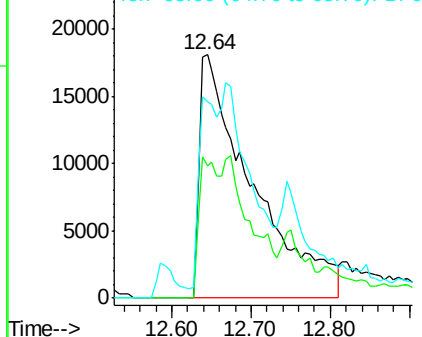
6/22/2017 6:02:55 PM

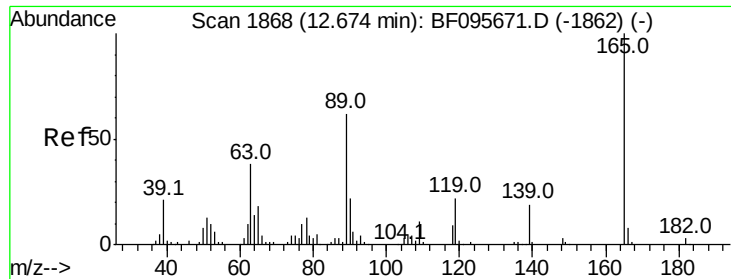


#55
4-Nitrophenol
Concen: 63.13 ng
RT: 12.64 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	54.2	34.1	74.1
65	80.5	31.4	71.4#

Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0



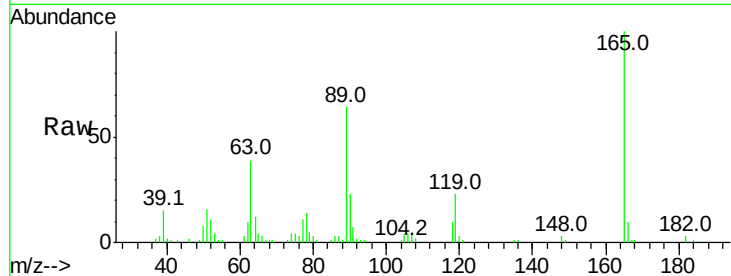


#56
2,4-Dinitrotoluene
Concen: 40.37 ng
RT: 12.59 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	38.9	25.4	38.0#	
89	64.1	46.4	69.6	
182	2.8	1.8	2.6#	

Manual Integrations
APPROVED

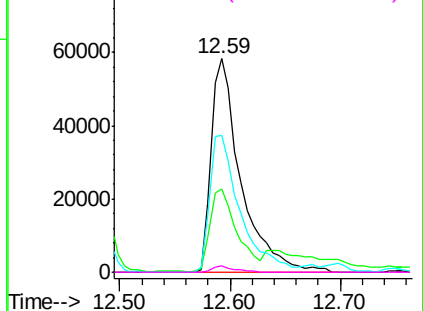


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

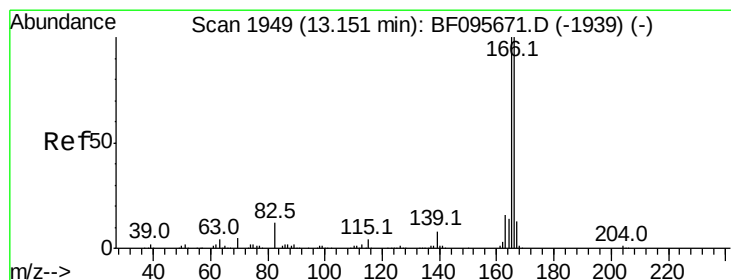
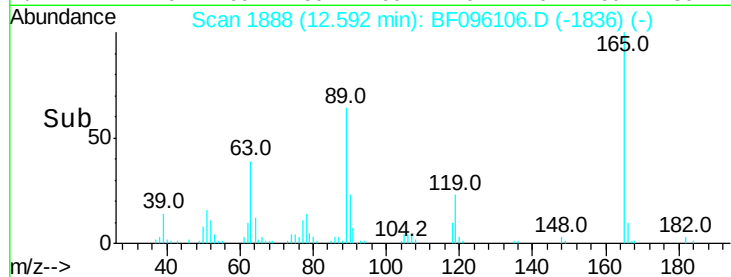
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



mohammad

6/22/2017 6:02:55 PM



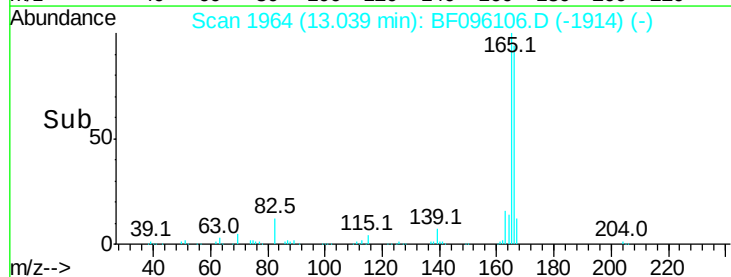
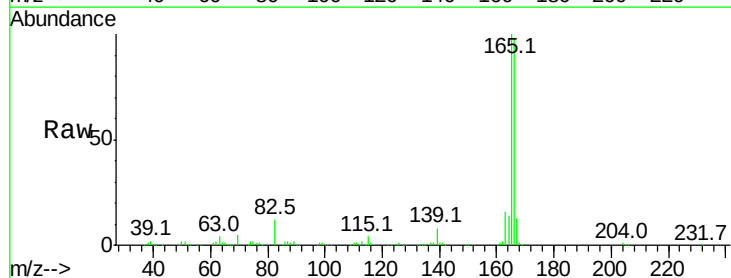
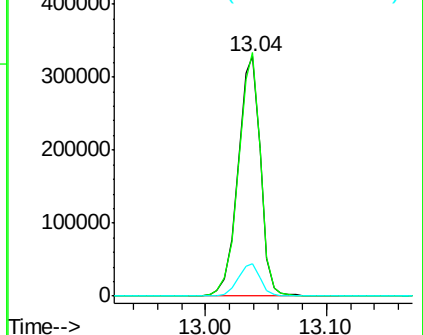
#57
Fluorene
Concen: 45.54 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

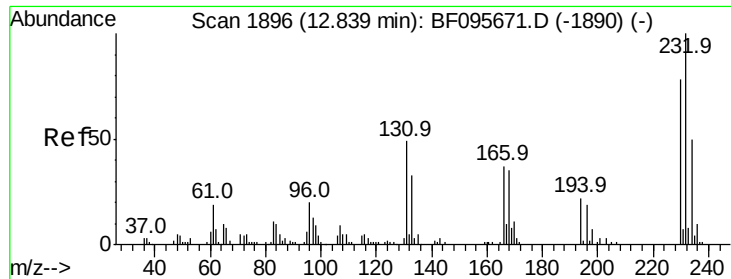
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.7	78.8	118.2	
167	13.6	10.6	16.0	

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



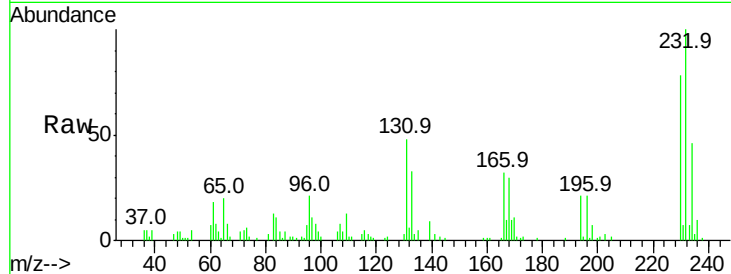


#58
2,3,4,6-Tetrachlorophenol
Concen: 46.17 ng
RT: 12.75 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

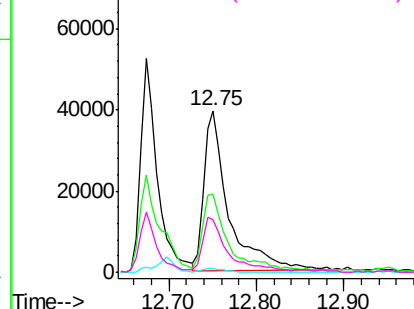
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.3	44.8	67.2
130	2.3	2.3	3.5
166	31.3	29.0	43.4

Manual Integrations
APPROVED

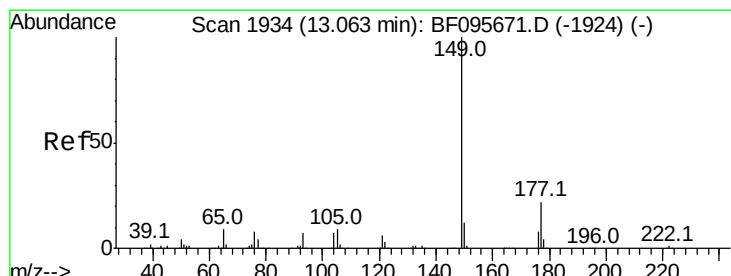
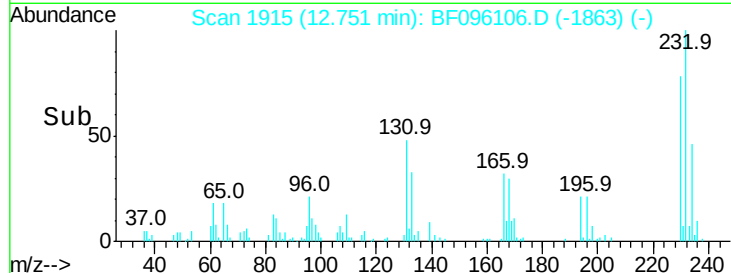


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



mohammad

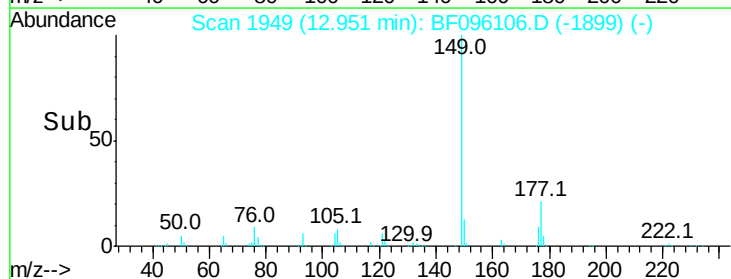
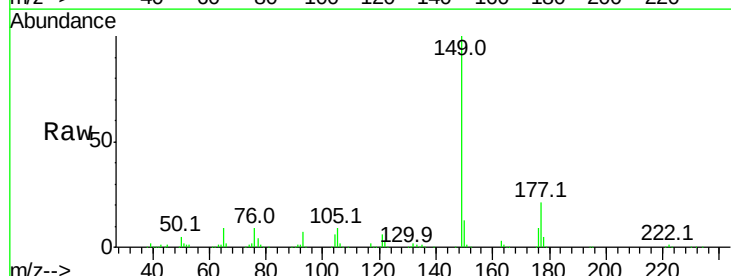
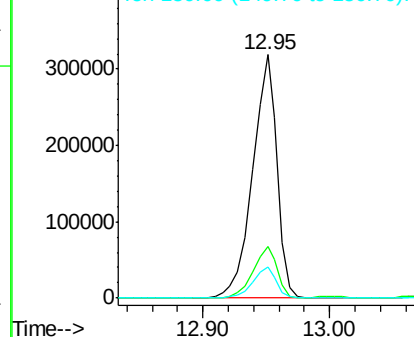
6/22/2017 6:02:55 PM

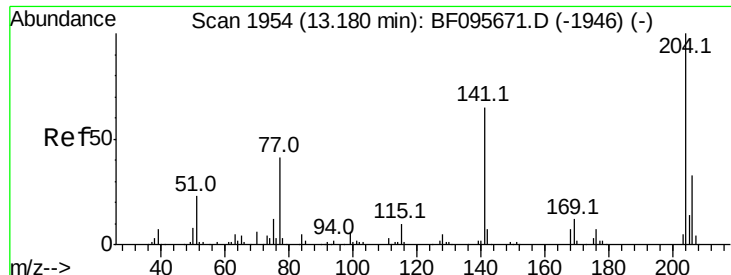


#59
Diethylphthalate
Concen: 48.94 ng
RT: 12.95 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.7	10.2	15.2

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



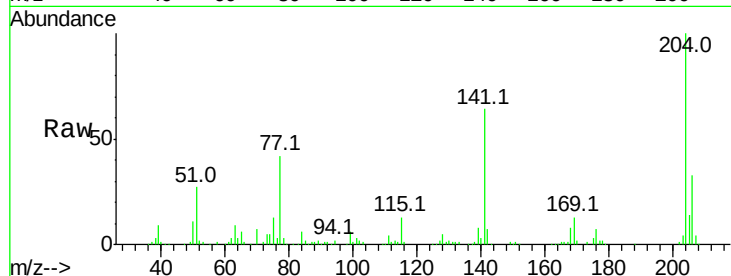


#60
4-Chlorophenyl-phenylether
Concen: 44.12 ng
RT: 13.07 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	63.8	60.8	91.2

Manual Integrations
APPROVED

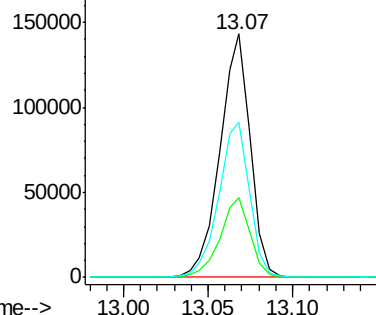


Abundance

Ion 204.00 (203.70 to 204.70): E

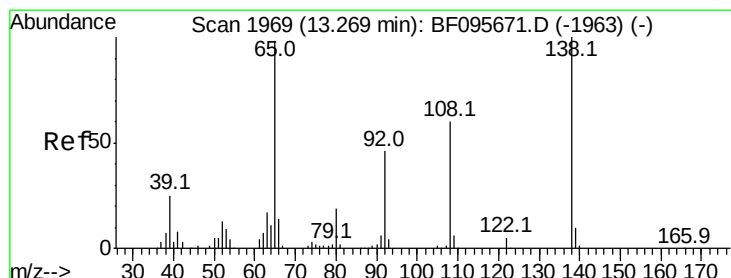
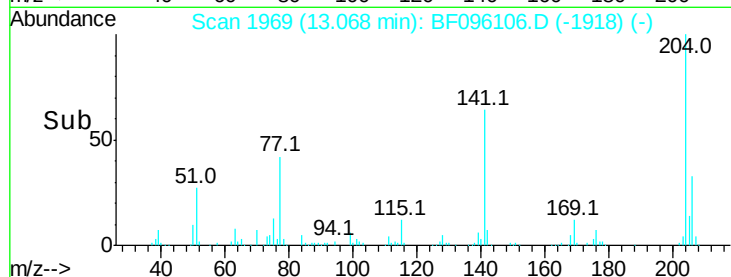
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



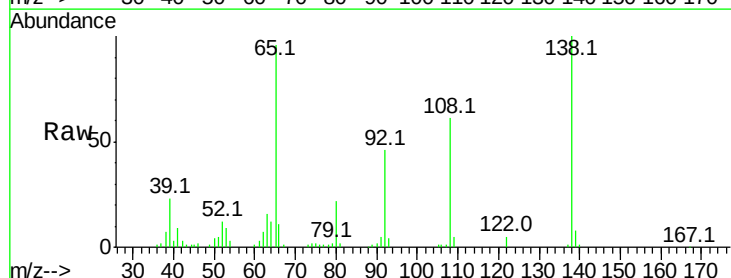
mohammad

6/22/2017 6:02:55 PM



#61
4-Nitroaniline
Concen: 48.00 ng
RT: 13.18 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	21.8	61.8
108	60.9	42.3	82.3

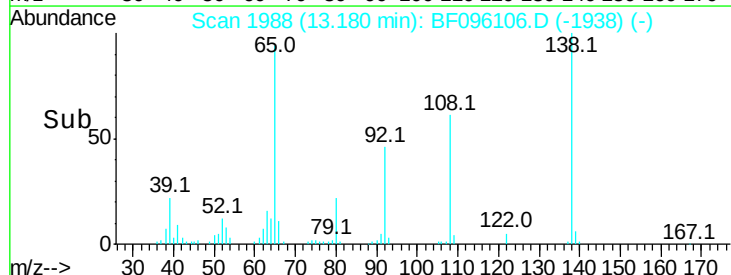
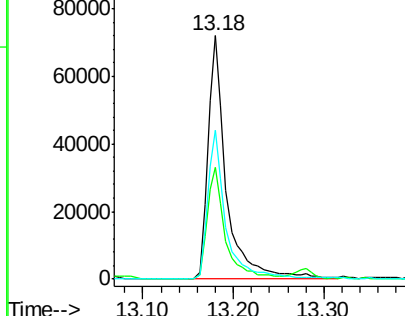


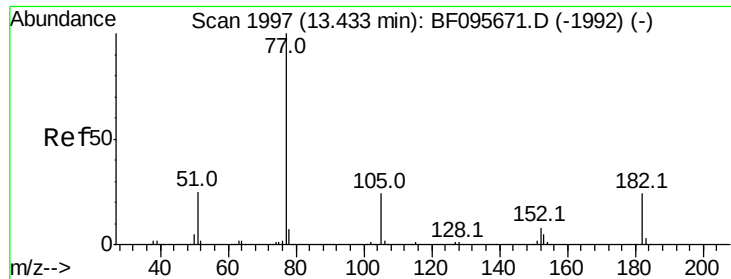
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 47.25 ng

RT: 13.32 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

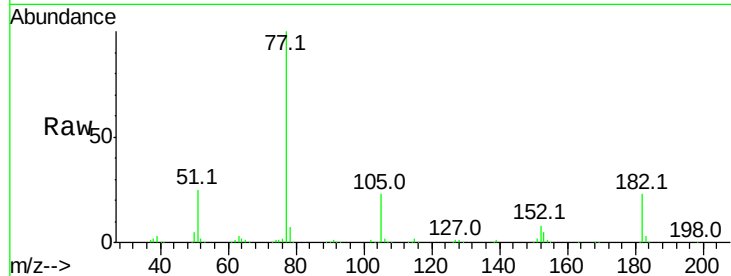
BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.7	0.1	40.1	
105	22.9	3.6	43.6	
51	24.7	9.4	49.4	

Manual Integrations
APPROVED

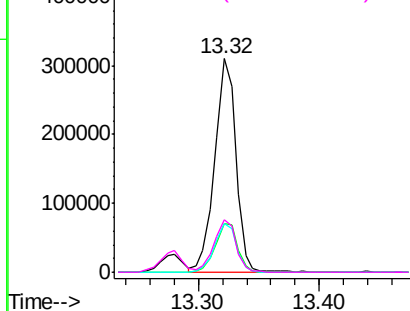


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

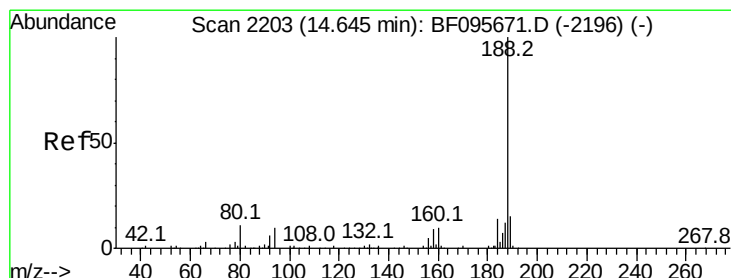
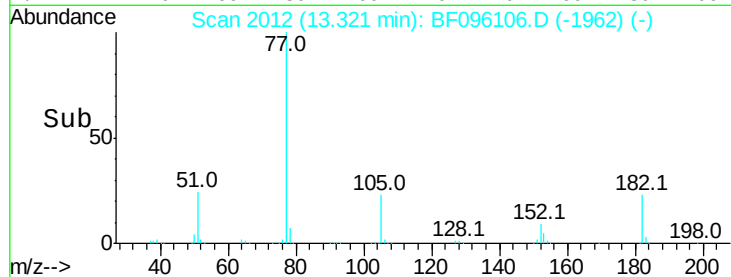
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



mohammad

6/22/2017 6:02:55 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

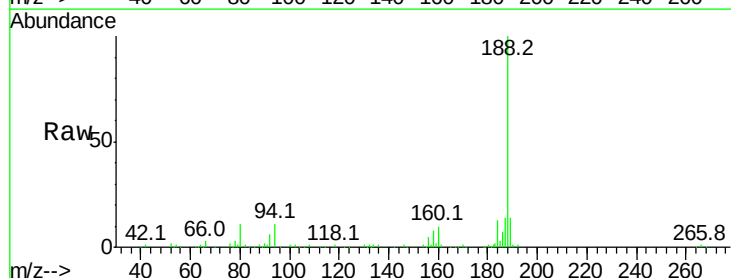
RT: 14.54 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

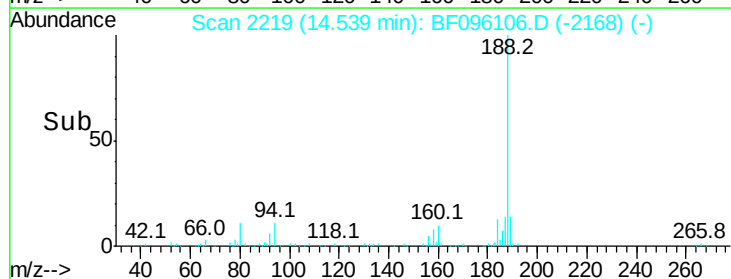
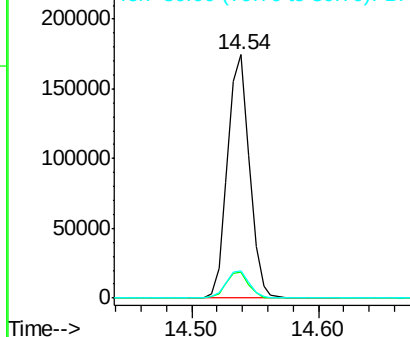
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.7	9.4	14.2	
80	11.3	10.2	15.2	

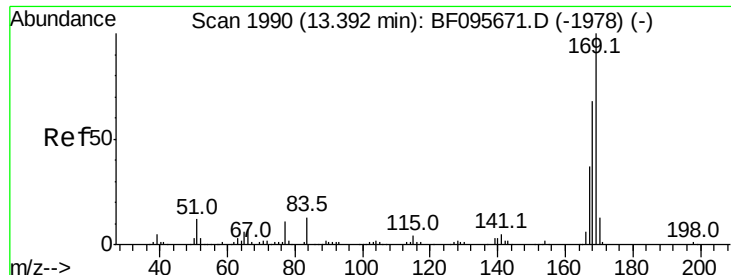


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



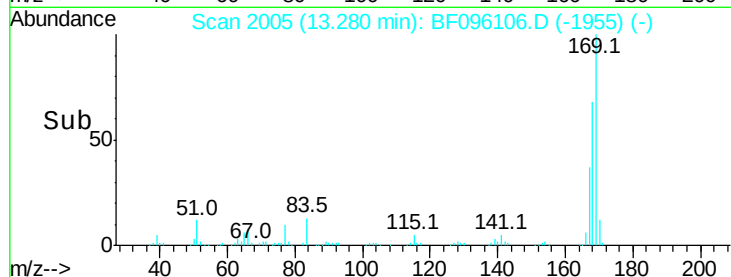
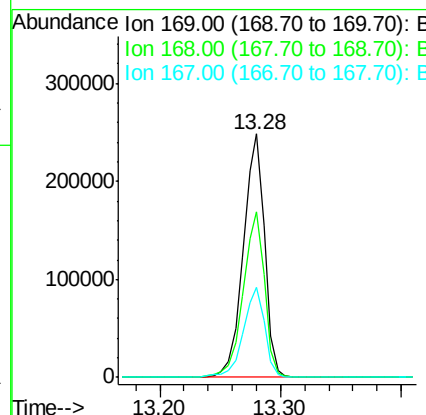
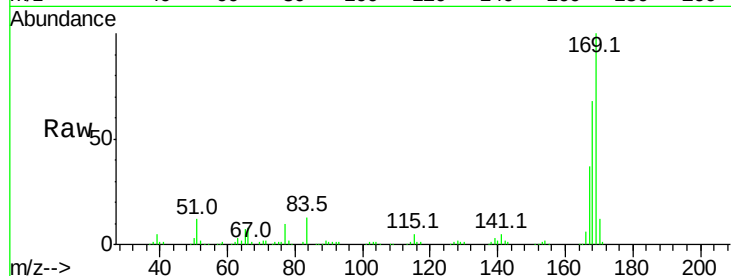


#65
n-Nitrosodiphenylamine
Concen: 40.57 ng
RT: 13.28 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

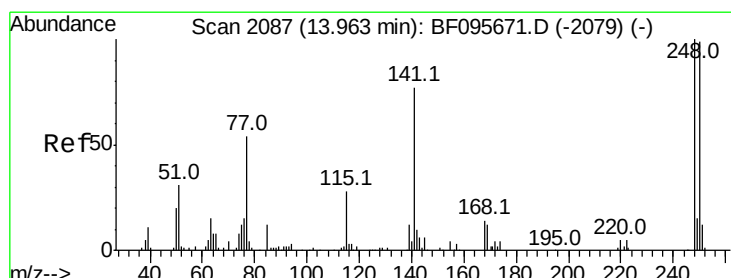
Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	68.1	53.2	79.8	
167	37.0	29.5	44.3	

Manual Integrations
APPROVED



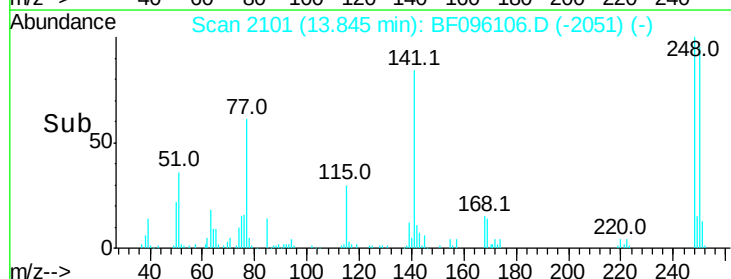
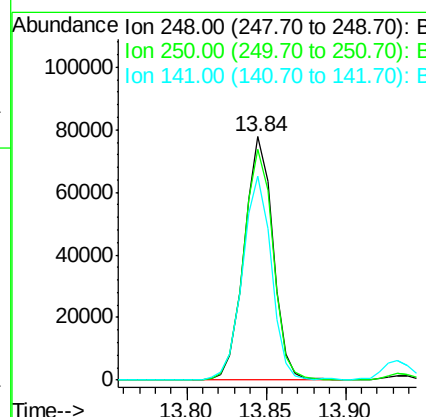
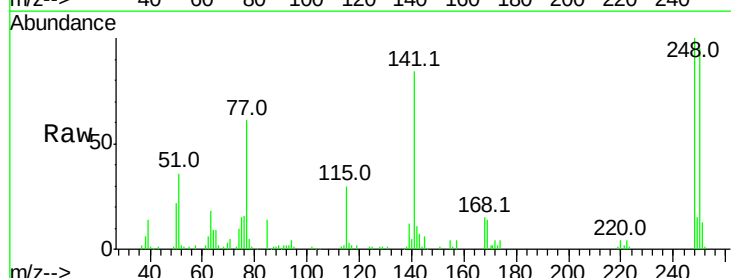
mohammad

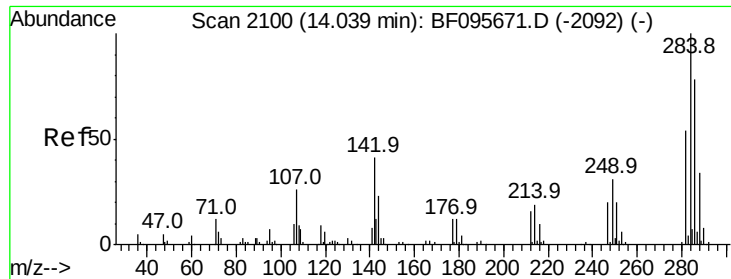
6/22/2017 6:02:55 PM



#66
4-Bromophenyl-phenylether
Concen: 45.13 ng
RT: 13.84 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	94.8	76.8	115.2	
141	83.7	68.6	103.0	





#67

Hexachlorobenzene

Concen: 46.27 ng

RT: 13.93 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

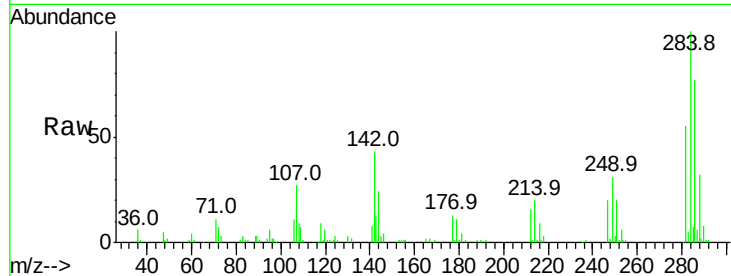
BNA_F

ClientSampleId :

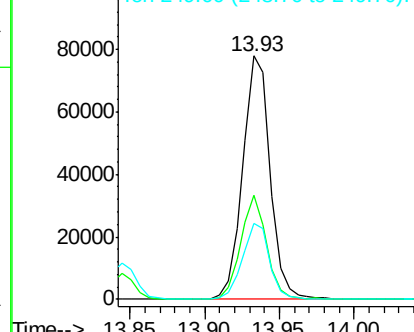
SU-02-061617MS

Tot Ion:	284	Resp:	99058
Ion Ratio	Lower	Upper	
284	100		
142	42.9	22.8	34.2#
249	31.3	24.0	36.0

Manual Integrations
APPROVED

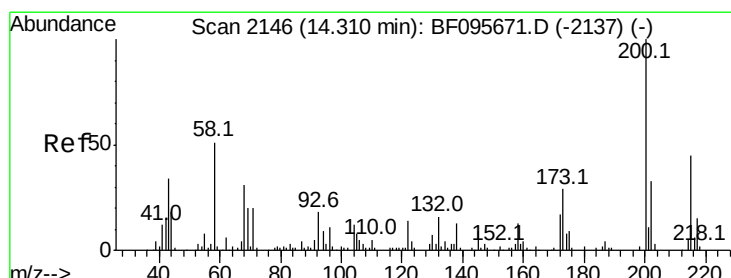
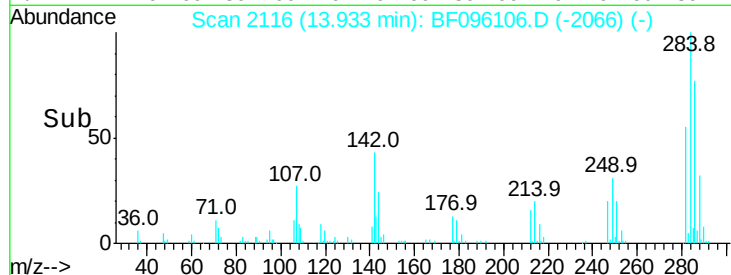


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



mohammad

6/22/2017 6:02:55 PM



#68

Atrazine

Concen: 37.60 ng

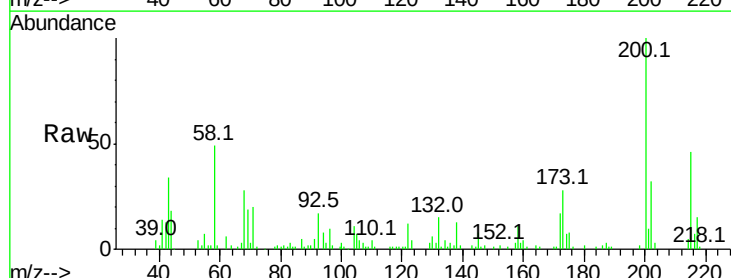
RT: 14.20 min Scan# 2162

Delta R.T. -0.01 min

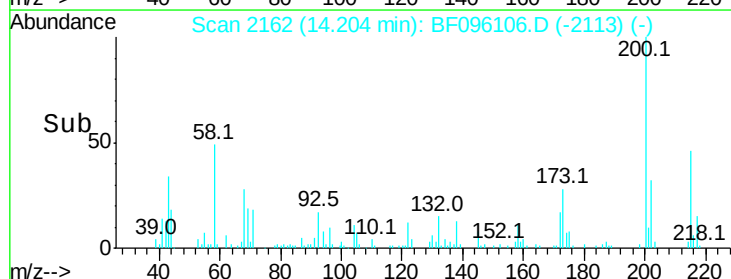
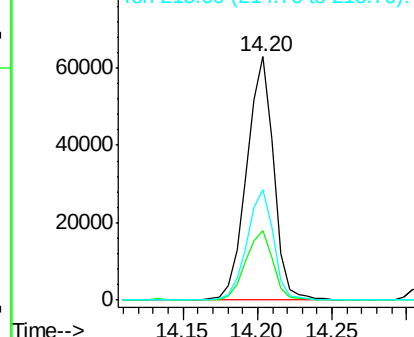
Lab File: BF096106.D

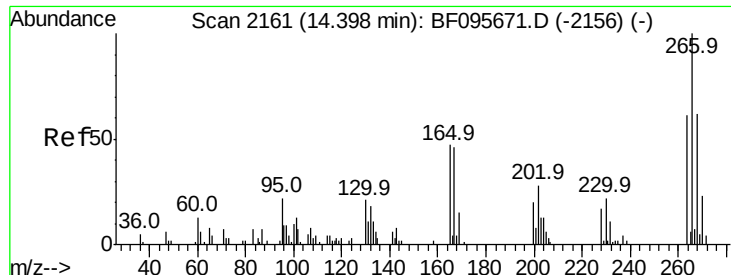
Acq: 22 Jun 2017 4:47

Tgt Ion:	200	Resp:	78596
Ion Ratio	Lower	Upper	
200	100		
173	28.5	6.3	46.3
215	45.6	27.2	67.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



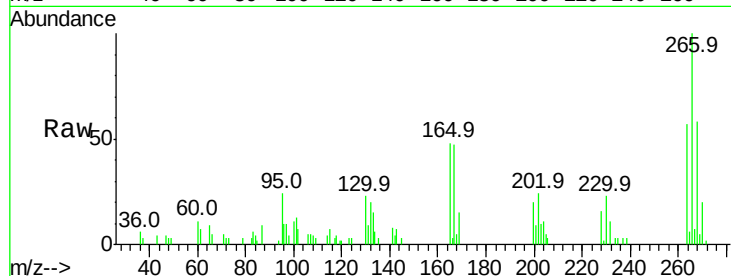


#69
 Pentachlorophenol
 Concen: 51.72 ng
 RT: 14.31 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

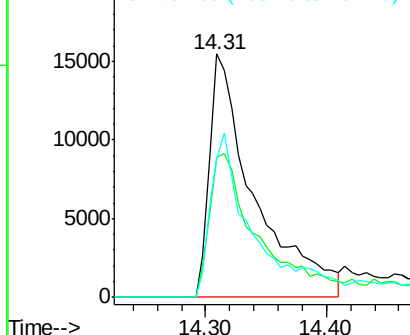
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	57.6	51.1	76.7
264	57.1	51.7	77.5

Manual Integrations
 APPROVED

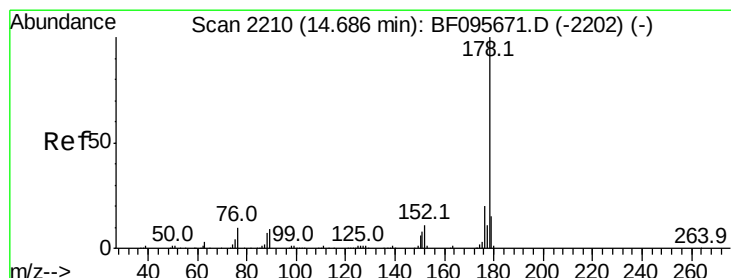
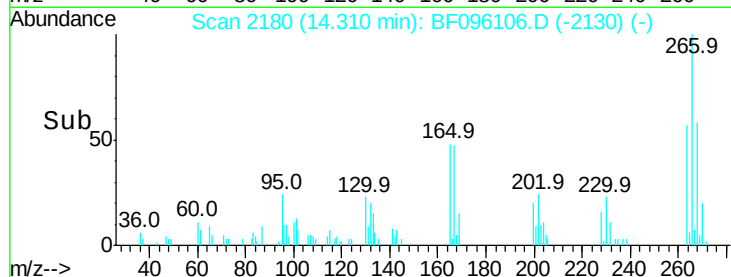


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



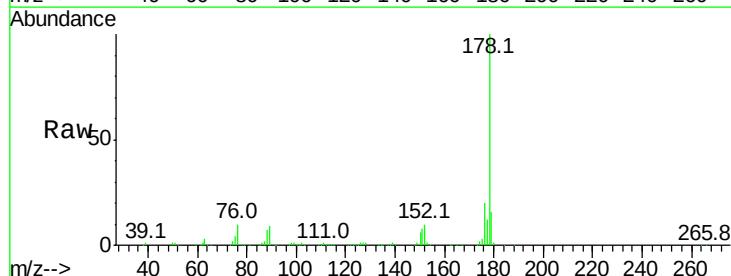
mohammad

6/22/2017 6:02:55 PM

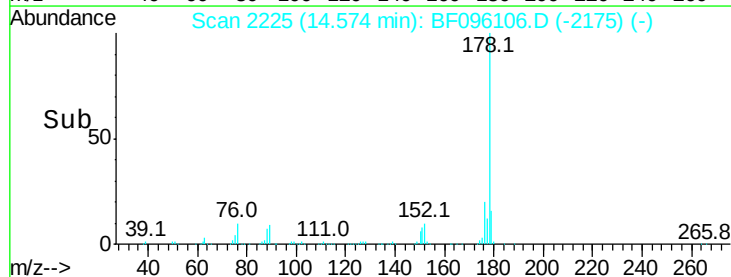
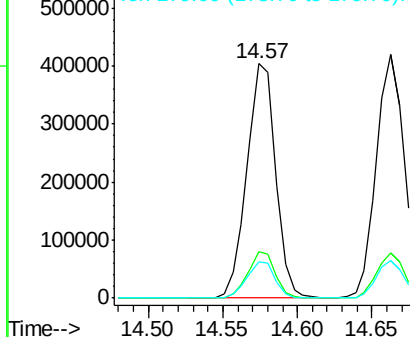


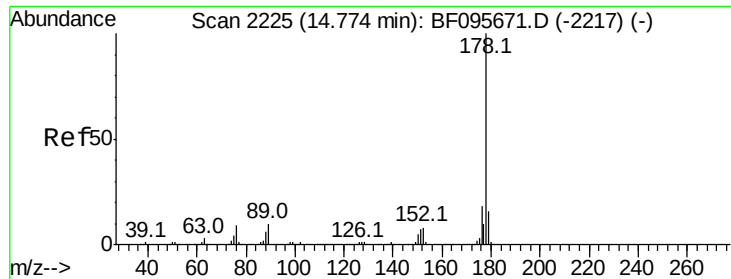
#70
 Phenanthrene
 Concen: 44.59 ng
 RT: 14.57 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.6	12.6	19.0



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



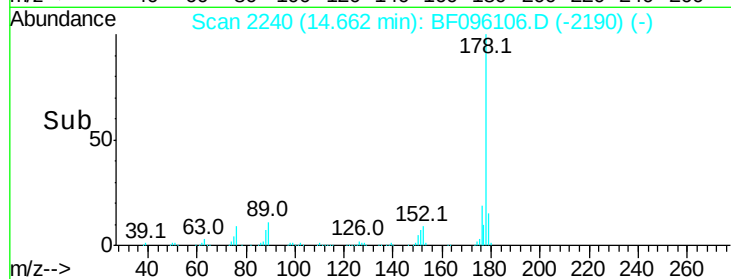
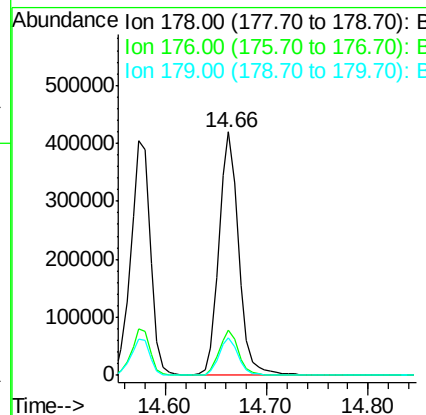
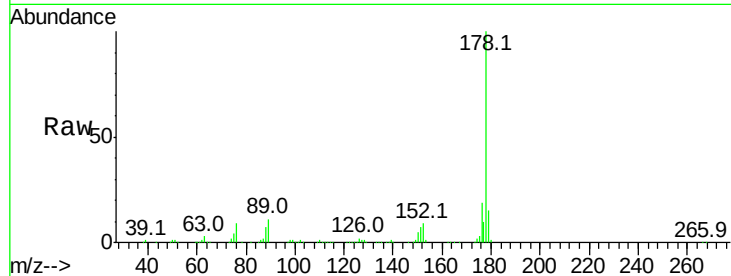


#71
 Anthracene
 Concen: 44.89 ng
 RT: 14.66 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

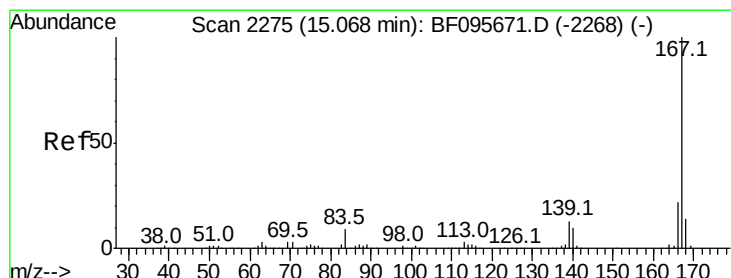
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.2	12.7	19.1

Manual Integrations
 APPROVED



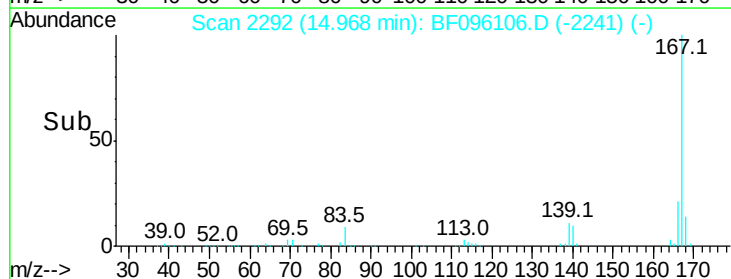
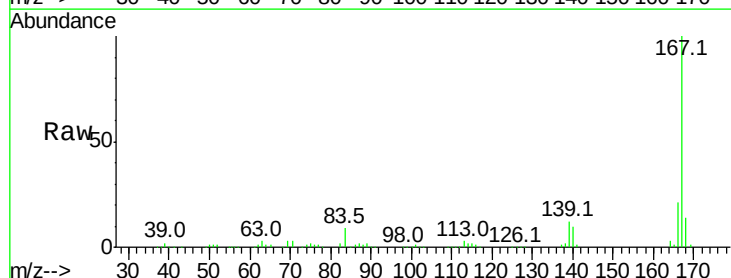
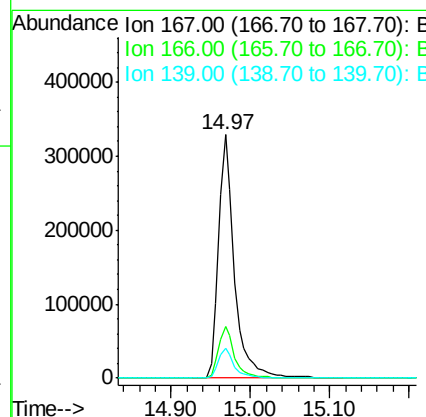
mohammad

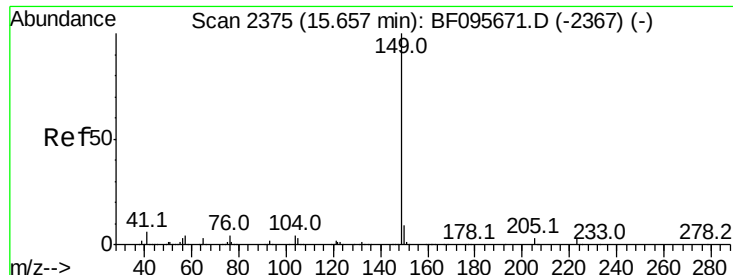
6/22/2017 6:02:55 PM



#72
 Carbazole
 Concen: 37.36 ng
 RT: 14.97 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.4	11.7	17.5





#73

Di-n-butylphthalate

Concen: 50.92 ng

RT: 15.56 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

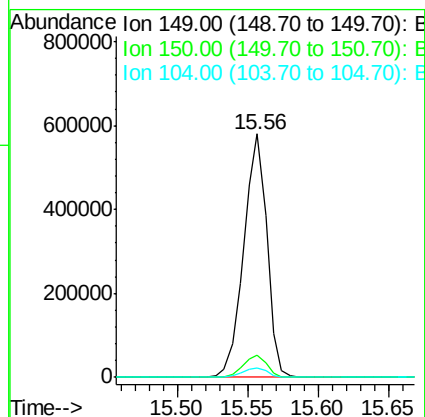
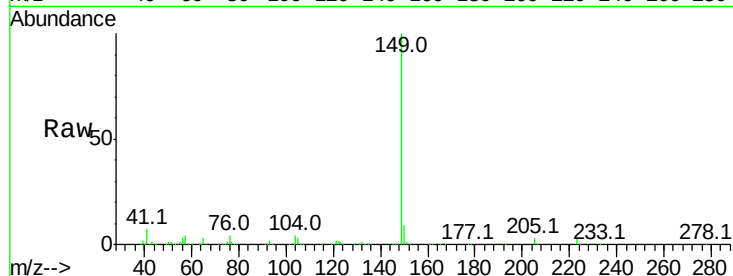
BNA_F

ClientSampleId :

SU-02-061617MS

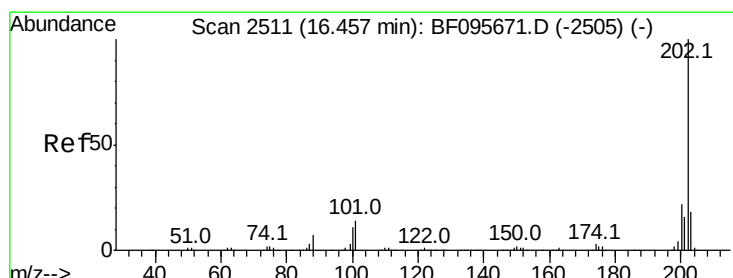
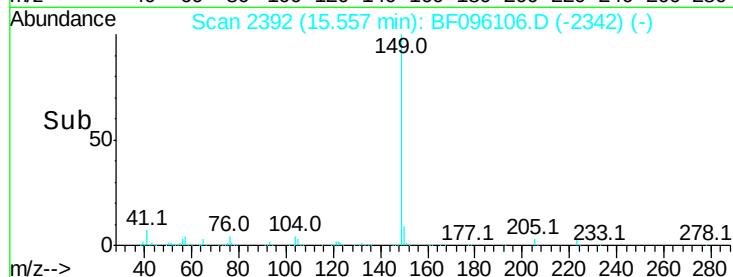
Tot Ion:	149	Resp:	664808
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.7	11.5
104	4.0	4.0	6.0

Manual Integrations
APPROVED



mohammad

6/22/2017 6:02:55 PM



#74

Fluoranthene

Concen: 42.04 ng

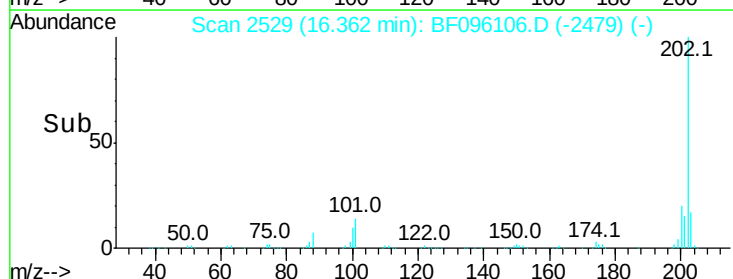
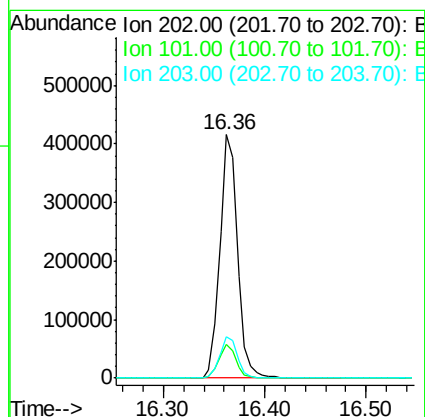
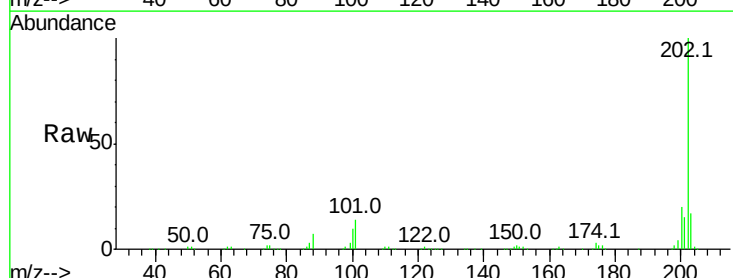
RT: 16.36 min Scan# 2529

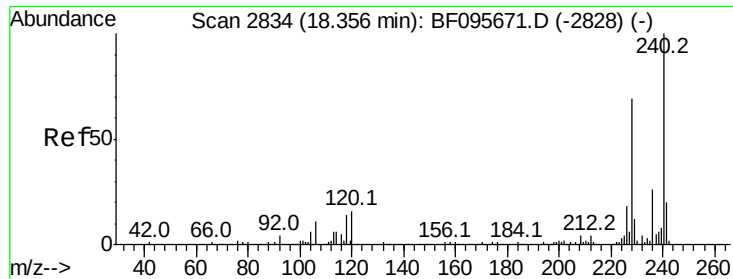
Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Tgt Ion:	202	Resp:	501920
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

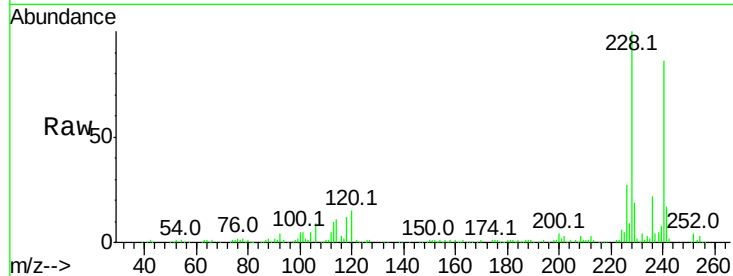
BNA_F

ClientSampleId :

SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.3	5.8	8.8#
236	26.1	20.5	30.7

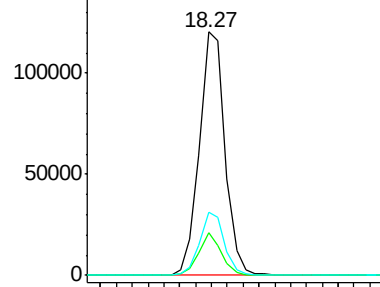
Manual Integrations
APPROVED



Abundance Ion 240.00 (239.70 to 240.70): E

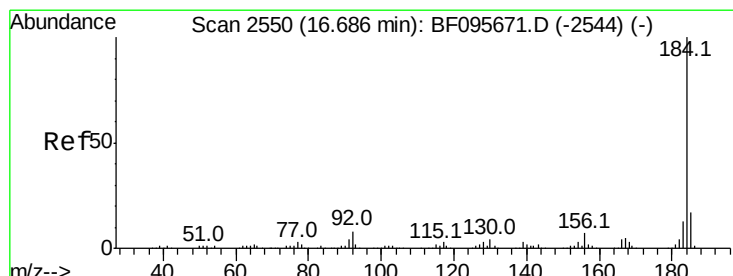
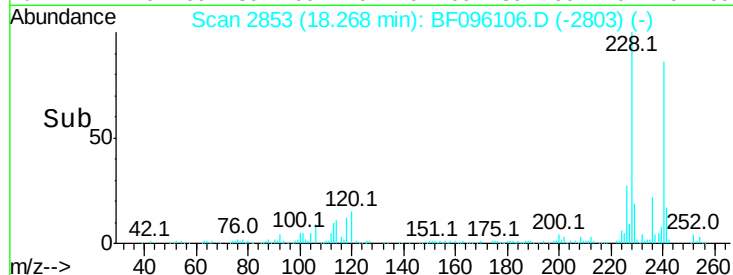
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



mohammad

6/22/2017 6:02:55 PM



#76

Benzidine

Concen: 15.78 ng

RT: 16.61 min Scan# 2571

Delta R.T. 0.01 min

Lab File: BF096106.D

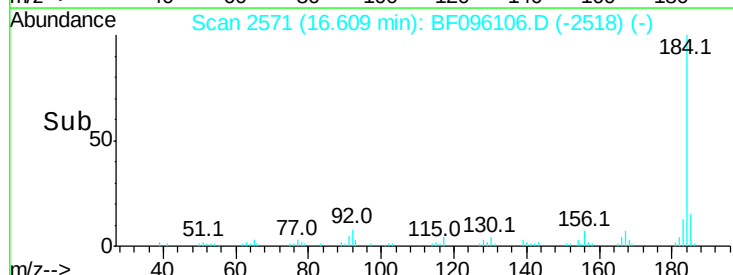
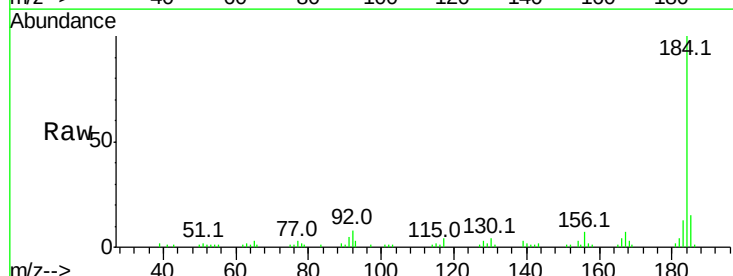
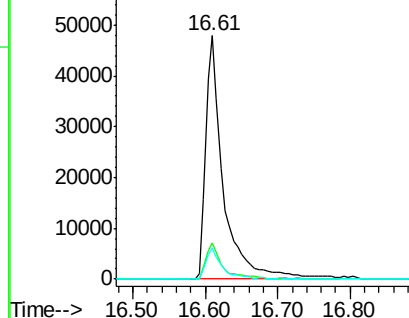
Acq: 22 Jun 2017 4:47

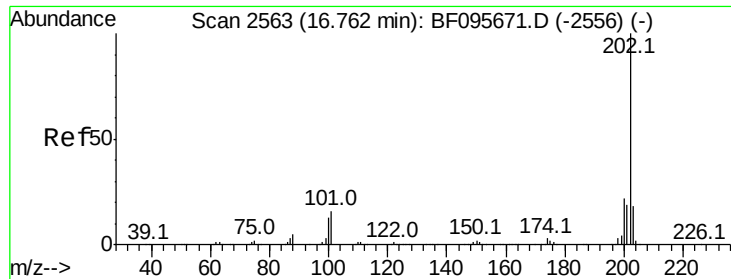
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.0	15.5	23.3#
183	12.7	9.8	14.6

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



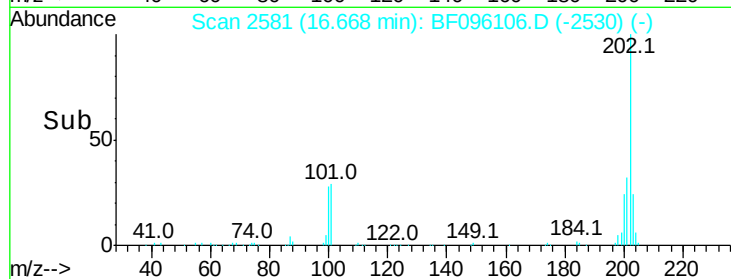
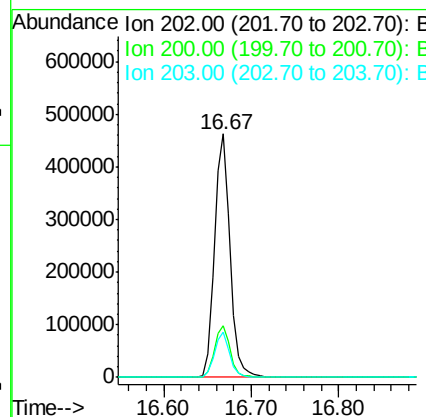
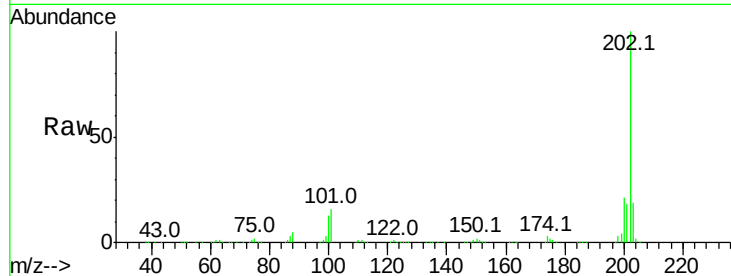


#77
Pvrene
Concen: 56.76 ng
RT: 16.67 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

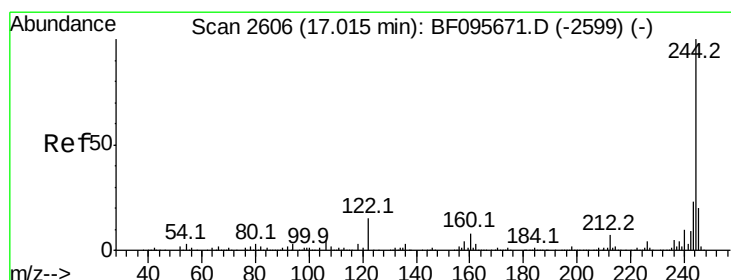
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.5	14.4	21.6

Manual Integrations
APPROVED



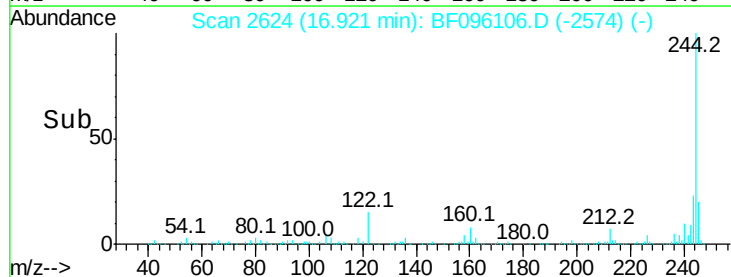
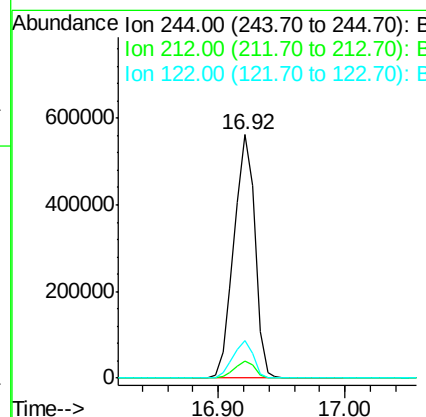
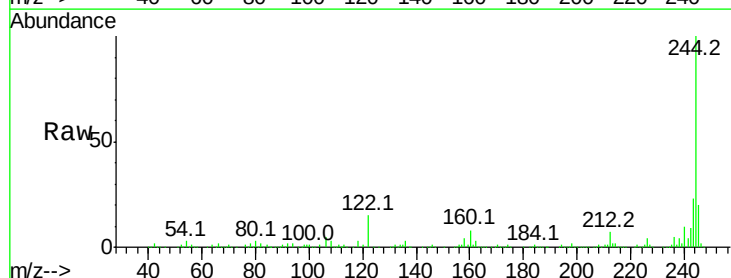
mohammad

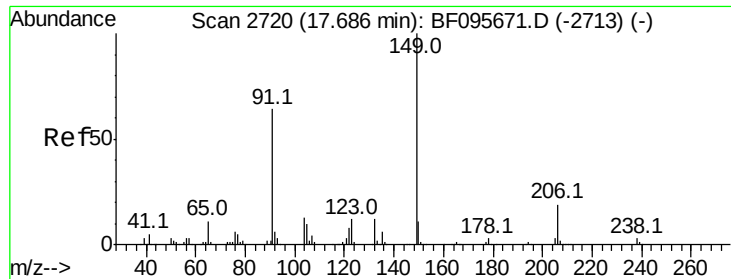
6/22/2017 6:02:55 PM



#78
Terphenyl-d14
Concen: 118.27 ng
RT: 16.92 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.4	10.3	15.5



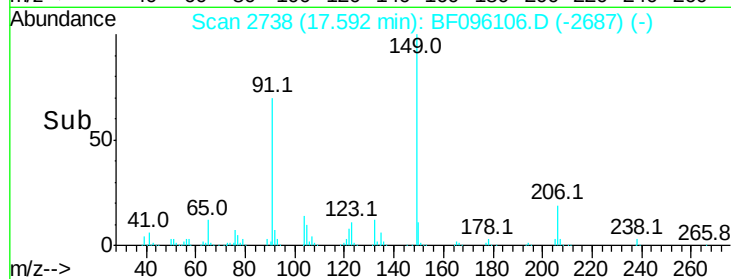
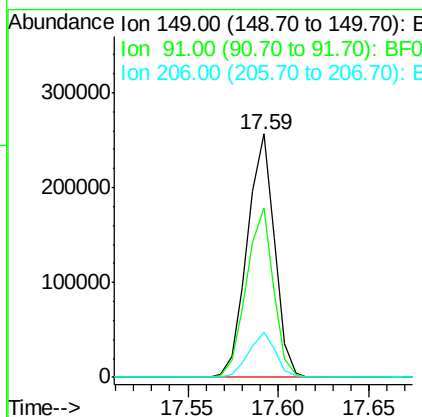
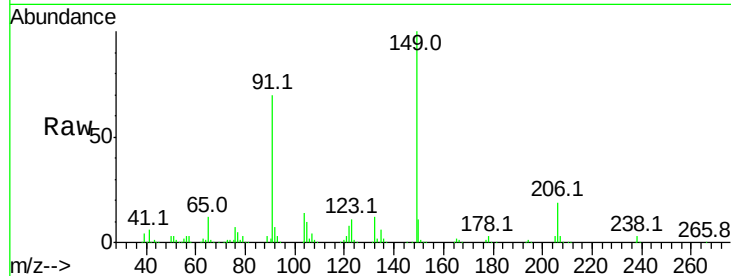


#79
Butylbenzylphthalate
Concen: 61.19 ng
RT: 17.59 min Scan# 2738
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

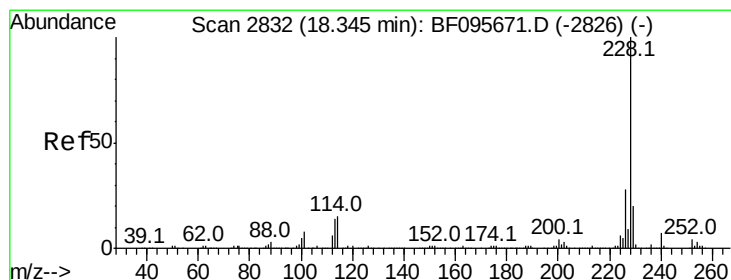
Tot Ion	Ratio	Resp	Lower	Upper
149	100	268603		
91	69.7	45.0	67.4#	
206	18.7	17.0	25.6	

Manual Integrations
APPROVED



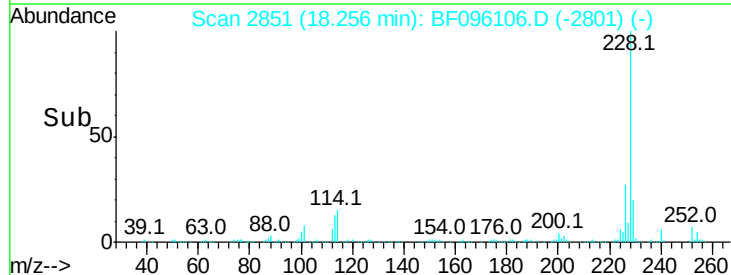
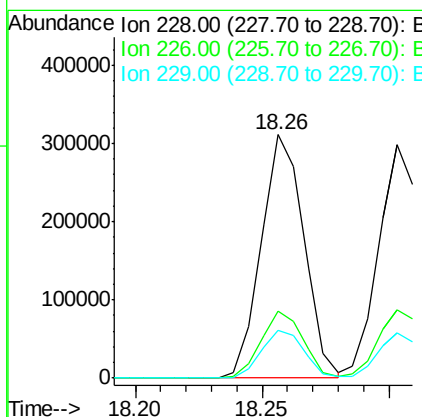
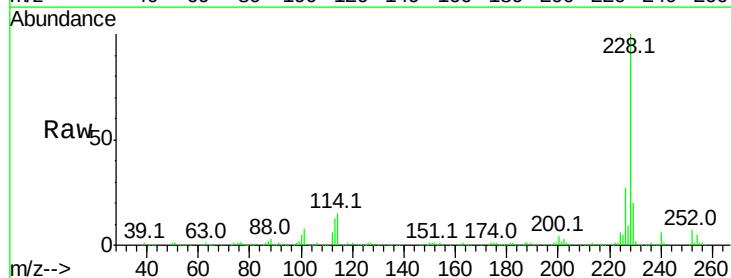
mohammad

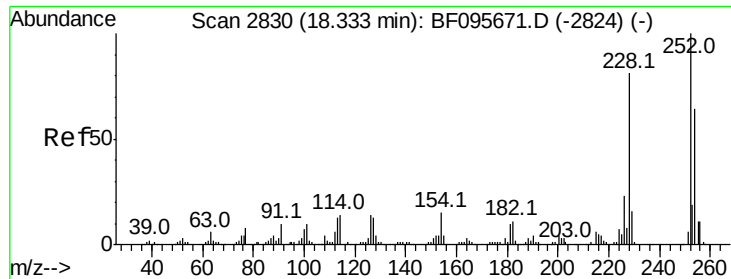
6/22/2017 6:02:55 PM



#80
Benzo(a)anthracene
Concen: 46.48 ng
RT: 18.26 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	364030		
226	27.5	22.6	33.8	
229	19.8	16.3	24.5	



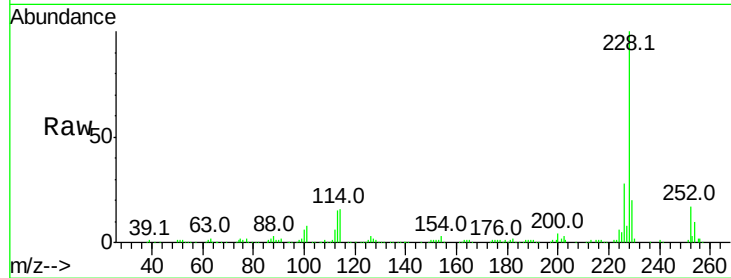


#81
 3,3'-Dichlorobenzidine
 Concen: 15.36 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

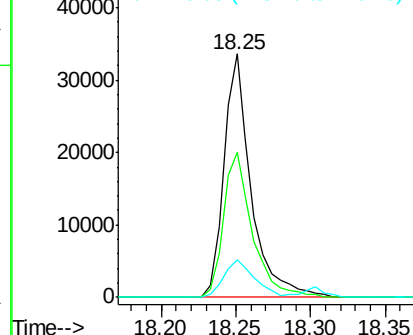
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	59.8	51.5	77.3
126	15.5	15.8	23.8

Manual Integrations
 APPROVED

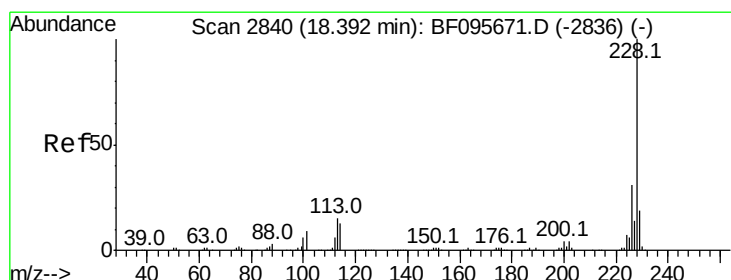
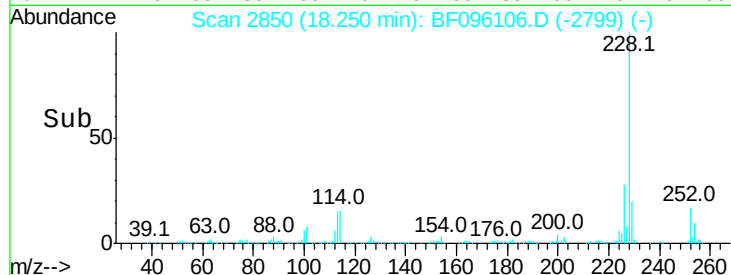


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



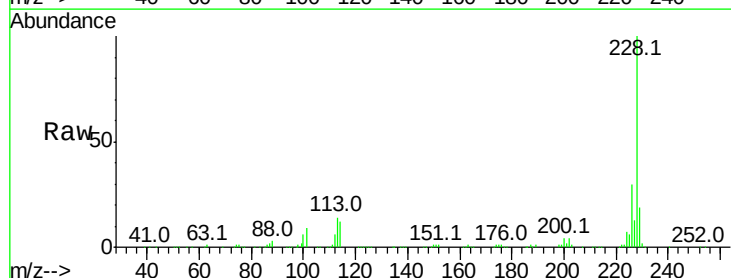
mohammad

6/22/2017 6:02:55 PM

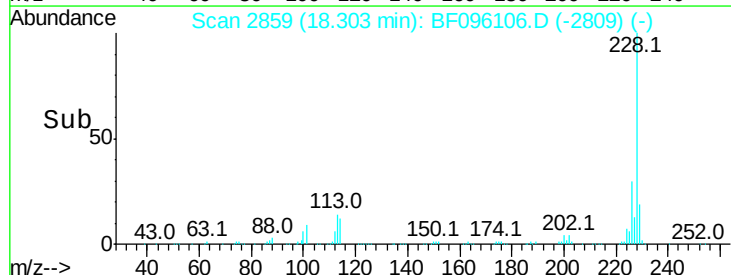
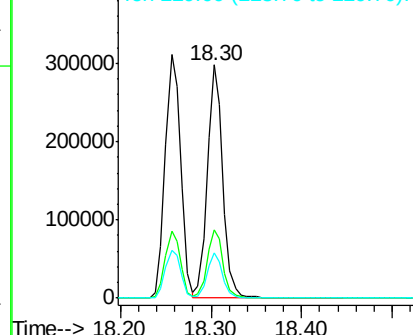


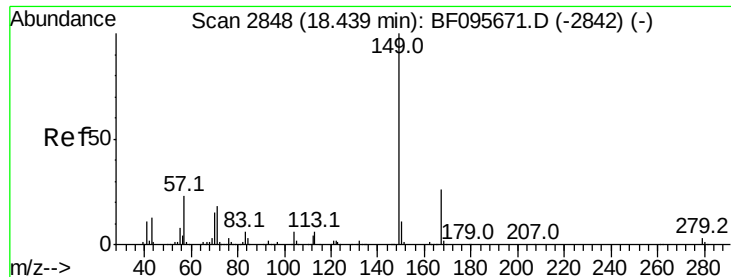
#82
 Chrysene
 Concen: 45.79 ng
 RT: 18.30 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	19.1	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.40 ng

RT: 18.34 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BF096106.D

Acq: 22 Jun 2017 4:47

Instrument :

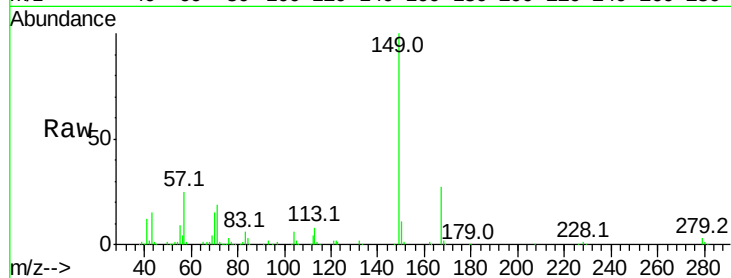
BNA_F

ClientSampleId :

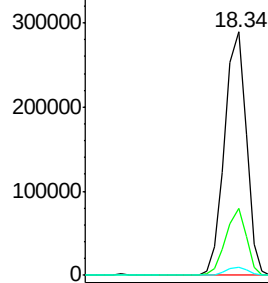
SU-02-061617MS

Tot Ion:	149	Resp:	324494
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.0	31.4
279	3.3	1.9	2.9

Manual Integrations
APPROVED

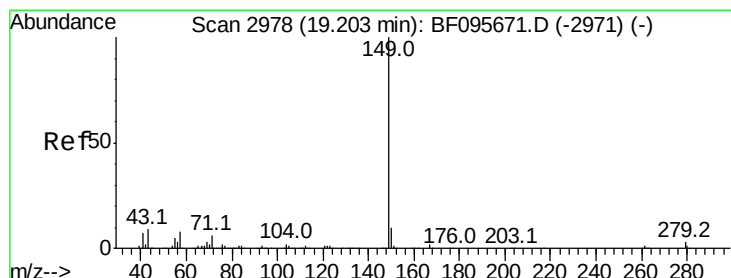
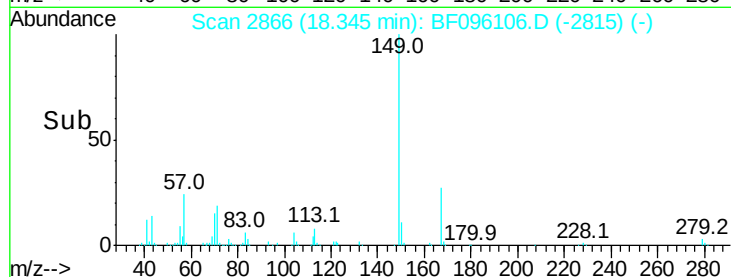


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



mohammad

6/22/2017 6:02:55 PM



#84

Di-n-octyl phthalate

Concen: 50.44 ng

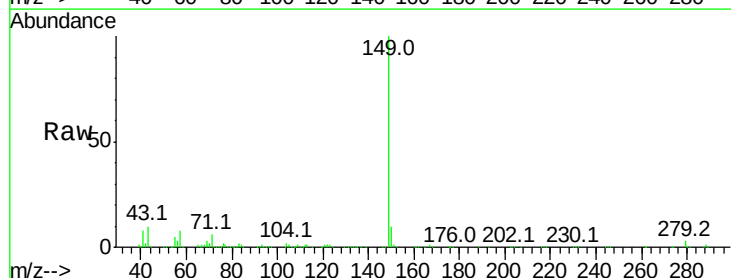
RT: 19.11 min Scan# 2996

Delta R.T. -0.01 min

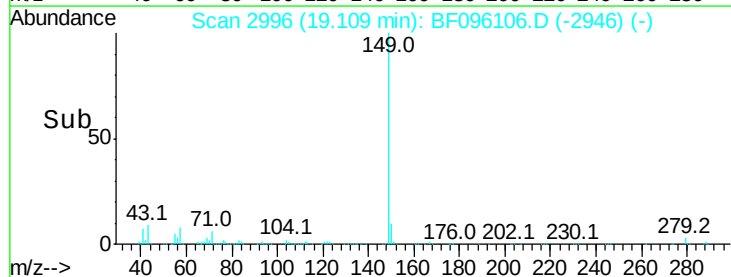
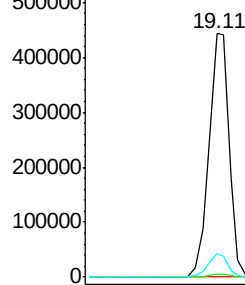
Lab File: BF096106.D

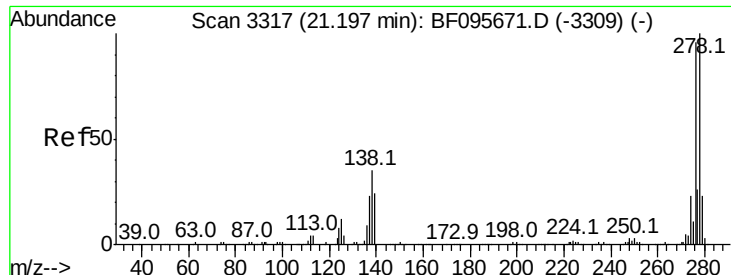
Acq: 22 Jun 2017 4:47

Tgt Ion:	149	Resp:	514716
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	9.1	8.5	12.7



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): BF0



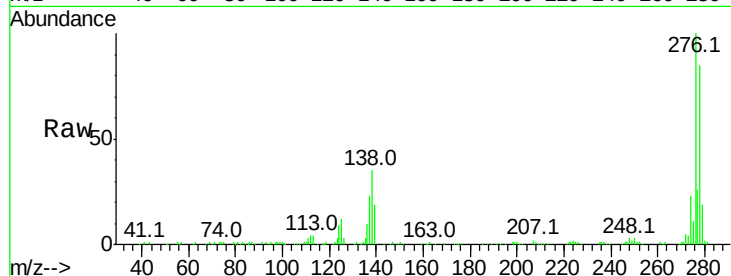


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.46 ng
 RT: 21.10 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

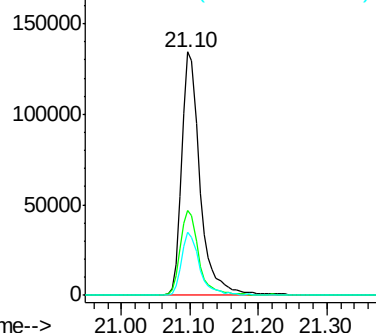
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.8	41.6
277	25.6	20.2	30.4

Manual Integrations
 APPROVED

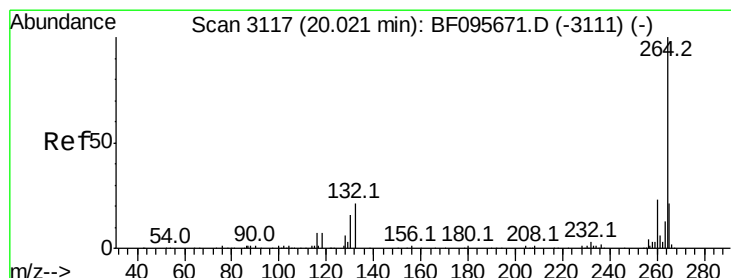
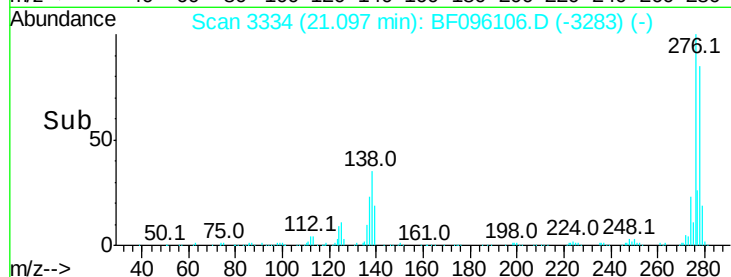


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



mohammad

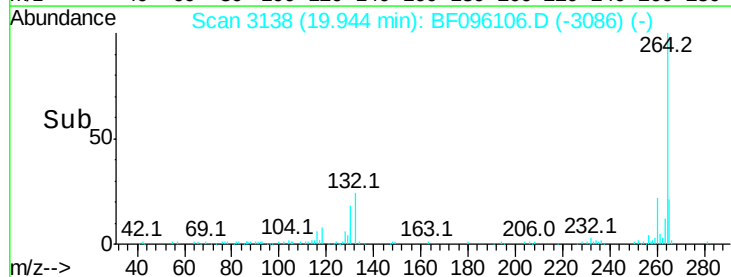
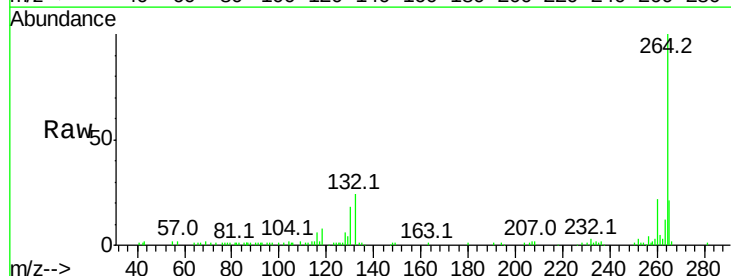
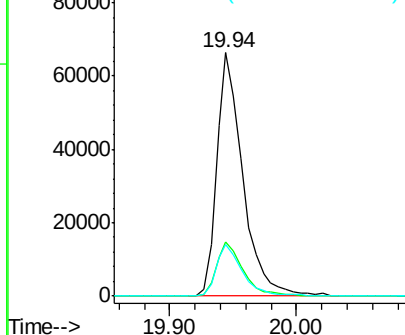
6/22/2017 6:02:55 PM

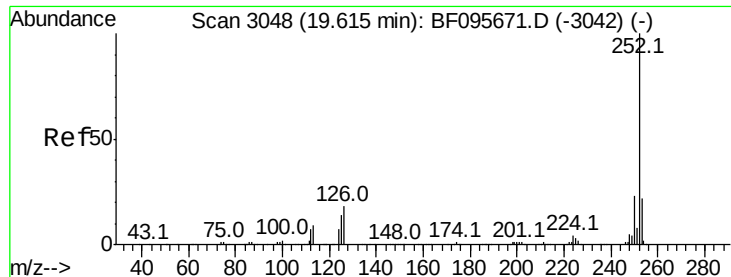


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.5	29.3
265	21.2	17.2	25.8

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



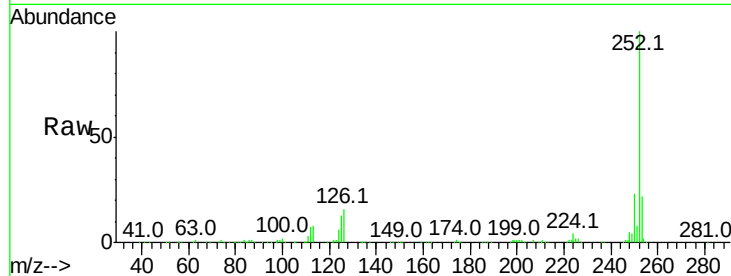


#87
Benzo(b)fluoranthene
Concen: 46.32 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

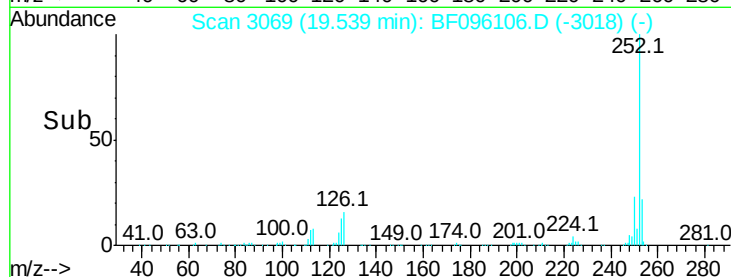
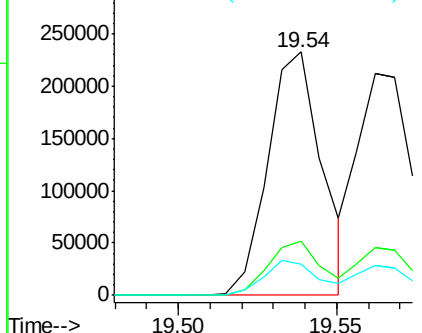
Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.0	9.8	14.8

Manual Integrations
APPROVED

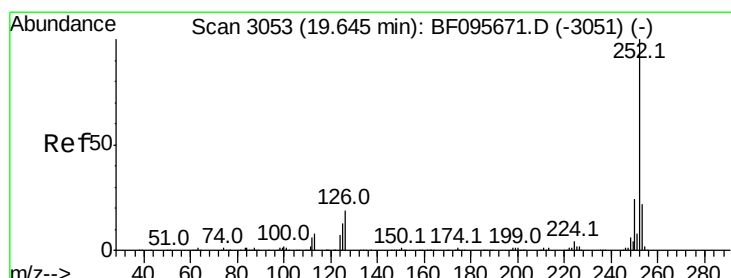


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



mohammad

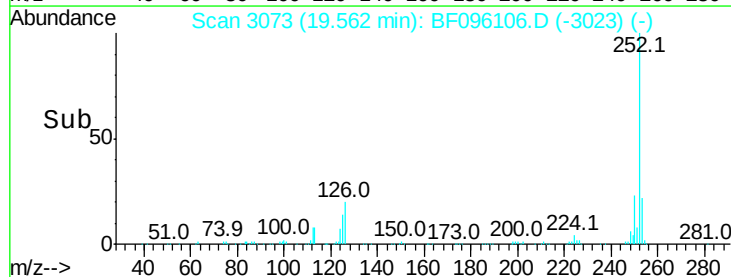
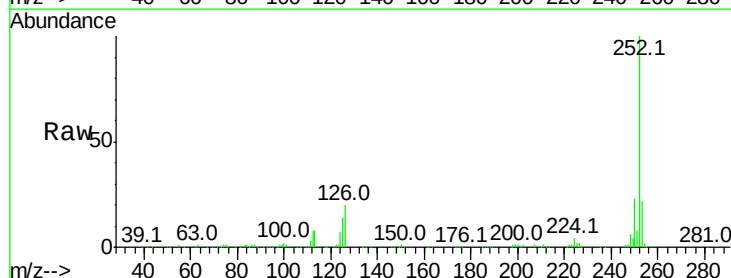
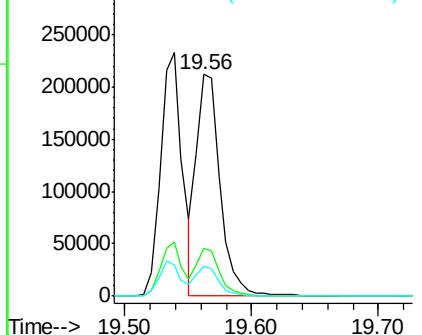
6/22/2017 6:02:55 PM

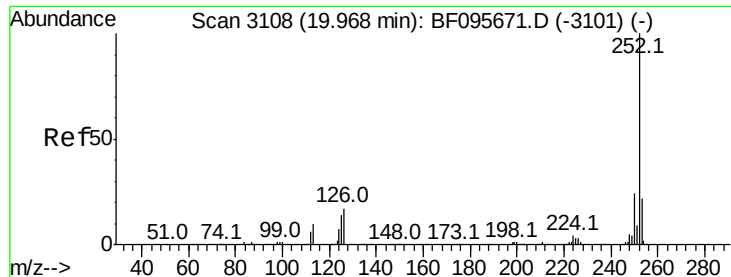


#88
Benzo(k)fluoranthene
Concen: 48.22 ng
RT: 19.56 min Scan# 3073
Delta R.T. -0.01 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.4	27.6
125	13.8	13.1	19.7

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



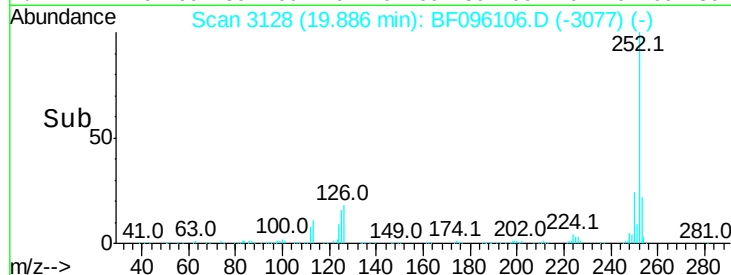
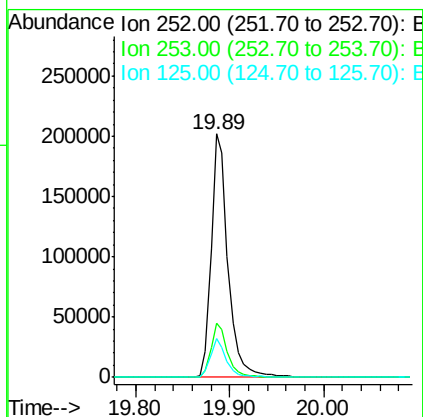
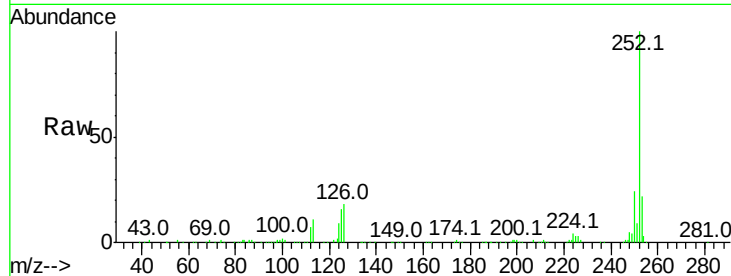


#89
Benzo(a)pyrene
Concen: 46.59 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MS

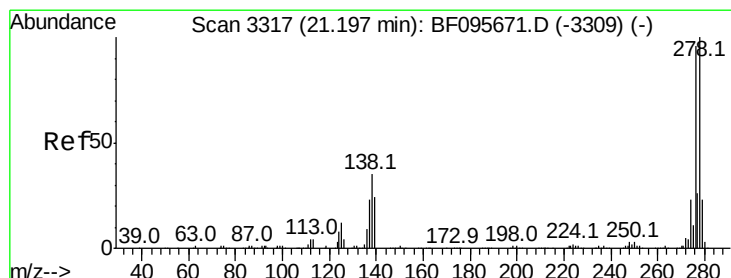
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.0	11.0	16.4

Manual Integrations
APPROVED



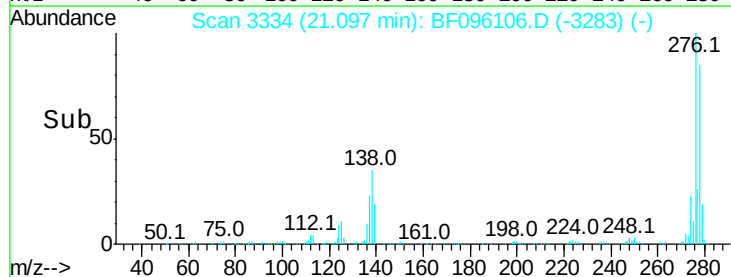
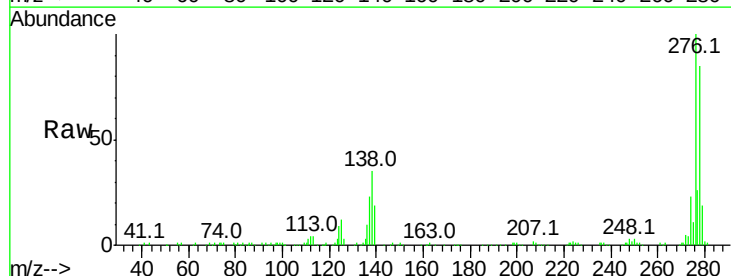
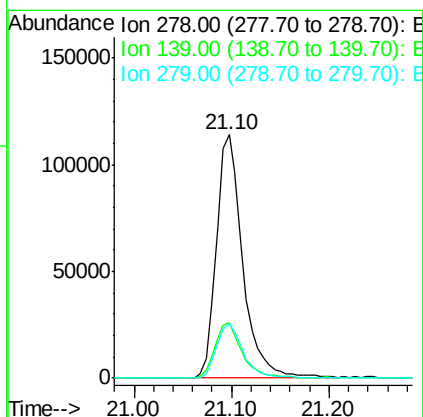
mohammad

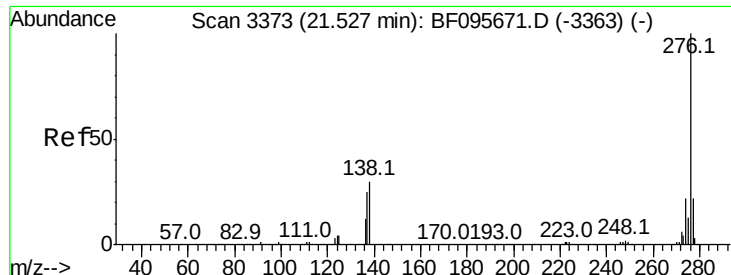
6/22/2017 6:02:55 PM



#90
Dibenzo(a,h)anthracene
Concen: 45.86 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096106.D
Acq: 22 Jun 2017 4:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	16.6	24.8
279	22.3	19.3	28.9



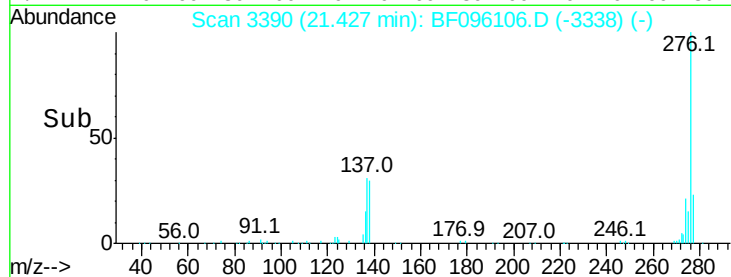
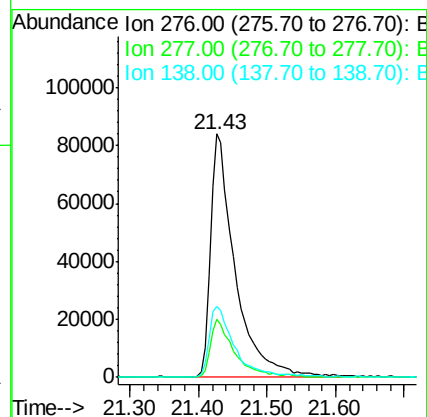
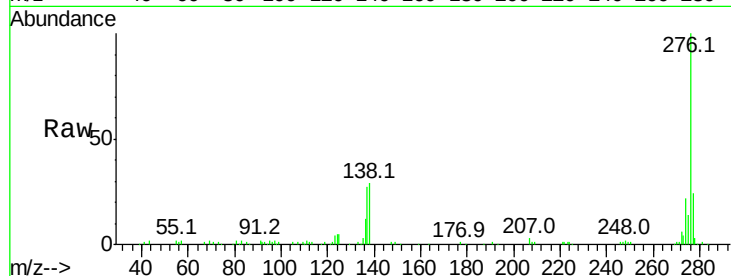


#91
 Benzo(a,h,i)perylene
 Concen: 44.56 ng
 RT: 21.43 min Scan# 3390
 Delta R.T. 0.01 min
 Lab File: BF096106.D
 Acq: 22 Jun 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	28.9	25.4	38.0

Manual Integrations
 APPROVED



mohammad

6/22/2017 6:02:55 PM