

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096107.D
 Acq On : 22 Jun 2017 5:19
 Operator : SJ/MA
 Sample : I3759-03MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM

Quant Time: Jun 22 16:55:43 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	68783	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	273415	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	108284	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	170151	20.00	ng	0.00
75) Chrysene-d12	18.27	240	133129	20.00	ng	0.00
86) Perylene-d12	19.94	264	92959	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	581162	134.63	ng	0.03
7) Phenol-d6	6.88	99	680155	131.62	ng	0.00
23) Nitrobenzene-d5	8.22	82	418425	95.04	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	121157	126.46	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	765215	98.34	ng	0.00
78) Terphenyl-d14	16.92	244	585168	109.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.76	88	82377m	40.12	ng	
3) Pyridine	2.31	79	111771	23.16	ng	99
4) n-Nitrosodimethylamine	2.22	42	90848	49.51	ng	81
6) Aniline	6.82	93	59115	8.74	ng	96
8) 2-Chlorophenol	6.99	128	213008	46.41	ng	96
9) Benzaldehyde	6.62	77	65388	18.76	ng	97
10) Phenol	6.90	94	228359	42.60	ng	93
11) bis(2-Chloroethyl)ether	6.94	93	202548	47.70	ng	96
12) 1,3-Dichlorobenzene	7.19	146	222961	42.92	ng	99
13) 1,4-Dichlorobenzene	7.32	146	226942	43.08	ng	94
14) 1,2-Dichlorobenzene	7.55	146	213957	44.05	ng	94
15) Benzyl Alcohol	7.61	79	149959	42.28	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.79	45	274576	46.02	ng	98
17) 2-Methylphenol	7.85	107	172497	44.78	ng	94
18) Hexachloroethane	8.06	117	60178	34.59	ng	# 87
19) n-Nitroso-di-n-propylamine	8.03	70	149190	45.56	ng	93
20) 3+4-Methylphenols	8.13	107	224560	45.93	ng	# 58
22) Acetophenone	7.99	105	299913	46.86	ng	# 83
24) Nitrobenzene	8.25	77	210184	44.69	ng	94
25) Isophorone	8.65	82	368954	44.88	ng	96
26) 2-Nitrophenol	8.76	139	88175	35.81	ng	99
27) 2,4-Dimethylphenol	8.92	122	185557	48.55	ng	98
28) bis(2-Chloroethoxy)methane	9.03	93	244698	45.16	ng	99
29) 2,4-Dichlorophenol	9.21	162	155628	42.28	ng	96
30) 1,2,4-Trichlorobenzene	9.26	180	167144	43.64	ng	98
31) Naphthalene	9.36	128	604127	44.03	ng	100
32) Benzoic acid	9.29	122	45549	22.15	ng	96
33) 4-Chloroaniline	9.60	127	42363m	7.90	ng	
34) Hexachlorobutadiene	9.57	225	84320	42.61	ng	96
35) Caprolactam	10.16	113	39004m	35.61	ng	
36) 4-Chloro-3-methylphenol	10.41	107	165014	42.83	ng	86
37) 2-Methylnaphthalene	10.49	142	403331	43.50	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.77	216	151388	46.71	ng	98
40) Hexachlorocyclopentadiene	10.73	237	1632	12.62	ng	91

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096107.D
 Acq On : 22 Jun 2017 5:19
 Operator : SJ/MA
 Sample : I3759-03MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

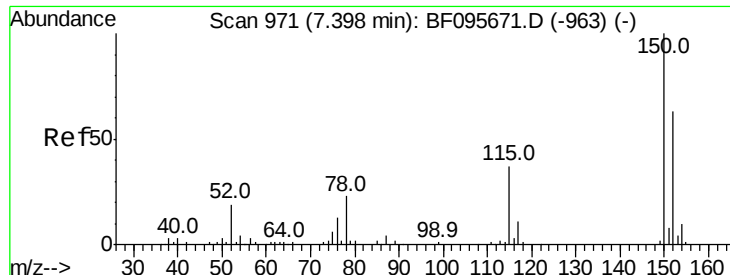
Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM

Quant Time: Jun 22 16:55:43 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	99377	47.69	nq	94
43) 2,4,5-Trichlorophenol	11.12	196	97218	43.86	nq	94
45) 1,1'-Biphenyl	11.25	154	435878	48.84	nq	98
46) 2-Chloronaphthalene	11.27	162	325470	46.67	nq	97
47) 2-Nitroaniline	11.50	65	100000	49.01	nq	# 78
48) Acenaphthylene	11.92	152	489493	41.05	nq	98
49) Dimethylphthalate	11.81	163	400971	48.77	nq	98
50) 2,6-Dinitrotoluene	11.91	165	69764	38.90	nq	# 64
51) Acenaphthene	12.20	154	292119	42.42	nq	97
52) 3-Nitroaniline	12.19	138	55894	26.75	nq	86
54) Dibenzofuran	12.49	168	447045	46.12	nq	98
55) 4-Nitrophenol	12.66	139	59310	50.43	nq	# 79
56) 2,4-Dinitrotoluene	12.59	165	88912	36.71	nq	# 90
57) Fluorene	13.04	166	349594	41.45	nq	99
58) 2,3,4,6-Tetrachlorophenol	12.75	232	67670	44.62	nq	# 87
59) Diethylphthalate	12.95	149	375913	47.51	nq	99
60) 4-Chlorophenyl-phenylether	13.07	204	158468	43.20	nq	89
61) 4-Nitroaniline	13.18	138	83490	42.80	nq	92
62) Azobenzene	13.32	77	313929	43.78	nq	95
65) n-Nitrosodiphenylamine	13.28	169	271109	44.34	nq	99
66) 4-Bromophenyl-phenylether	13.85	248	86270	48.79	nq	98
67) Hexachlorobenzene	13.93	284	82235	47.19	nq	# 87
68) Atrazine	14.20	200	61160	35.94	nq	96
69) Pentachlorophenol	14.31	266	41165	63.76	nq	95
70) Phenanthrene	14.57	178	466506	47.52	nq	98
71) Anthracene	14.66	178	475532	46.40	nq	97
72) Carbazole	14.97	167	437633	43.81	nq	97
73) Di-n-butylphthalate	15.56	149	549290	51.69	nq	98
74) Fluoranthene	16.36	202	484100	49.82	nq	99
76) Benzdine	16.61	184	51417	10.06	nq	# 92
77) Pyrene	16.67	202	493686	49.70	nq	99
79) Butylbenzylphthalate	17.59	149	232531	53.60	nq	88
80) Benzo(a)anthracene	18.26	228	369731	47.77	nq	99
81) 3,3'-Dichlorobenzidine	18.25	252	33830	12.29	nq	96
82) Chrysene	18.30	228	356487	46.09	nq	99
83) Bis(2-ethylhexyl)phthalate	18.34	149	326259	53.31	nq	# 99
84) Di-n-octyl phthalate	19.11	149	528200	52.38	nq	97
85) Indeno(1,2,3-cd)pyrene	21.10	276	248790	37.59	nq	99
87) Benzo(b)fluoranthene	19.54	252	282465	48.53	nq	96
88) Benzo(k)fluoranthene	19.56	252	273036	49.07	nq	96
89) Benzo(a)pyrene	19.89	252	252020	47.11	nq	97
90) Dibenzo(a,h)anthracene	21.10	278	209958	46.26	nq	98
91) Benzo(g,h,i)perylene	21.43	276	204058	44.10	nq	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: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

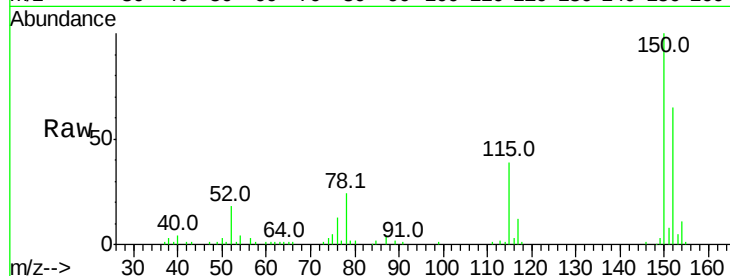
SU-02-061617MSD

Tot Ion:	152	Resp:	68783
Ion Ratio	Lower	Upper	
152	100		
150	154.2	126.2	189.2
115	59.5	52.2	78.2

Manual Integrations
APPROVED

mohammad

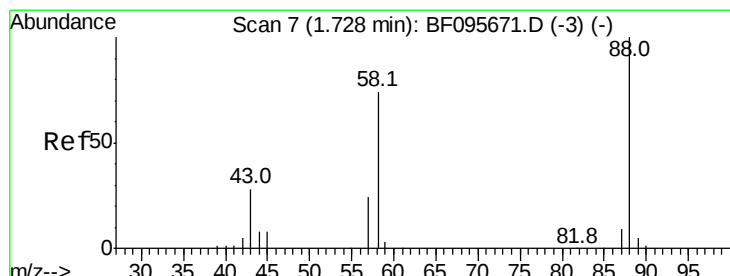
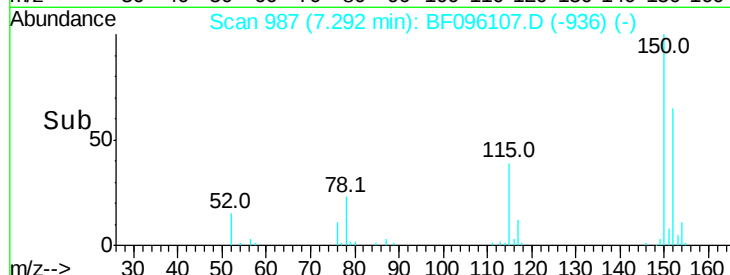
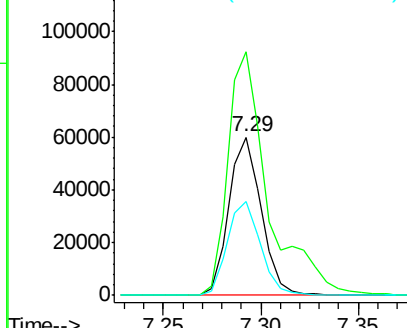
6/22/2017 6:02:57 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.12 ng m

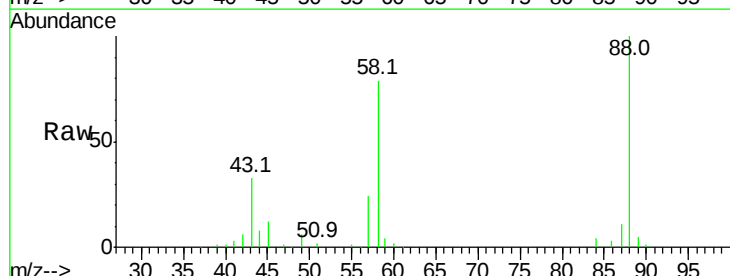
RT: 1.76 min Scan# 46

Delta R.T. 0.15 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

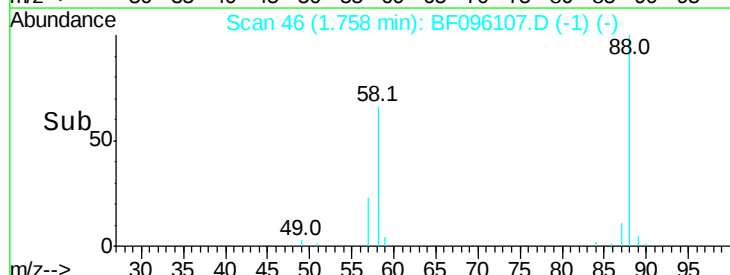
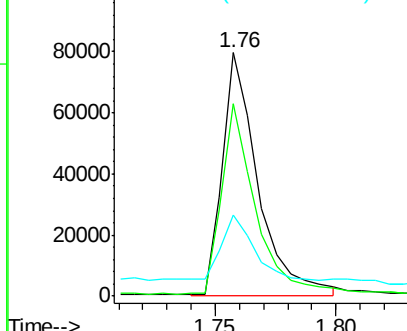
Tgt Ion:	88	Resp:	82377
Ion Ratio	Lower	Upper	
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#

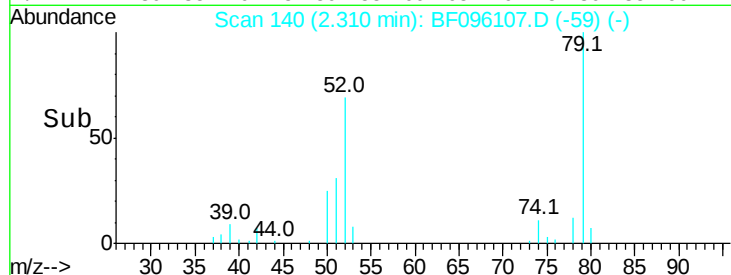
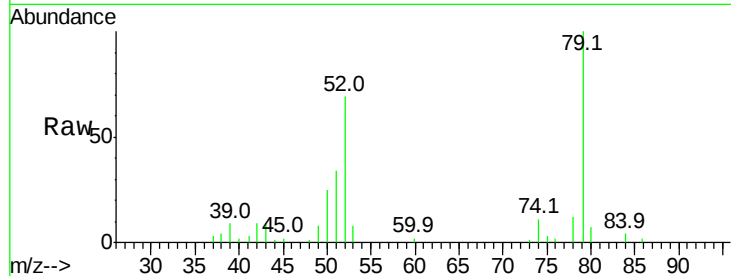
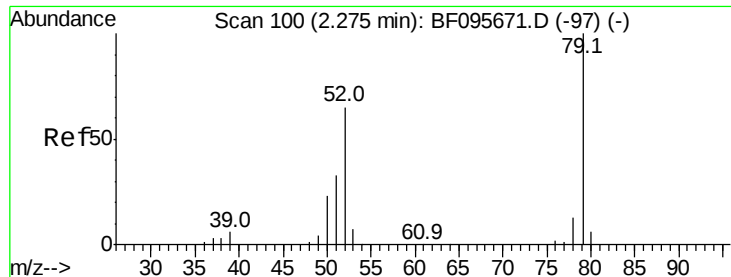


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





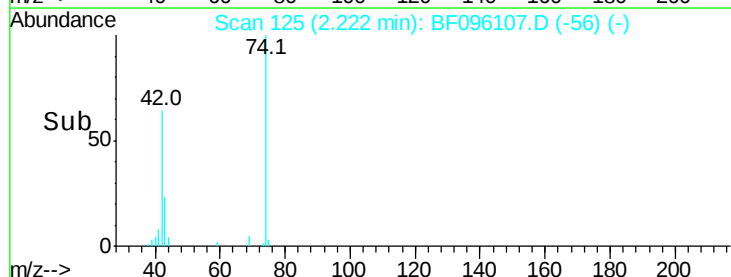
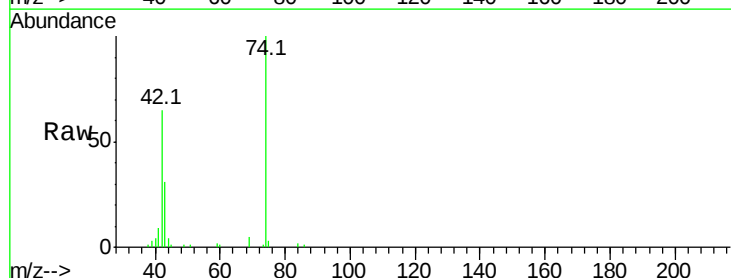
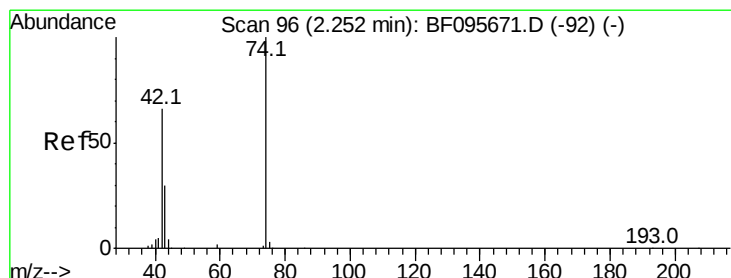
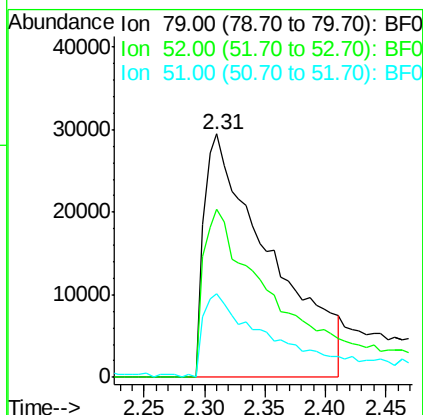
#3
 Pvridine
 Concen: 23.16 ng
 RT: 2.31 min Scan# 140
 Delta R.T. 0.18 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tot Ion:	79	Resp:	111771
Ion Ratio	Lower	Upper	
79	100		
52	69.0	54.8	82.2
51	34.5	27.0	40.4

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

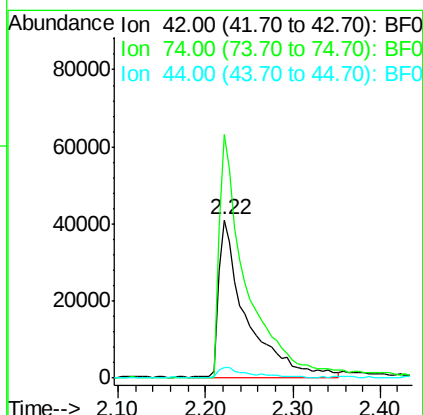
Manual Integrations
 APPROVED

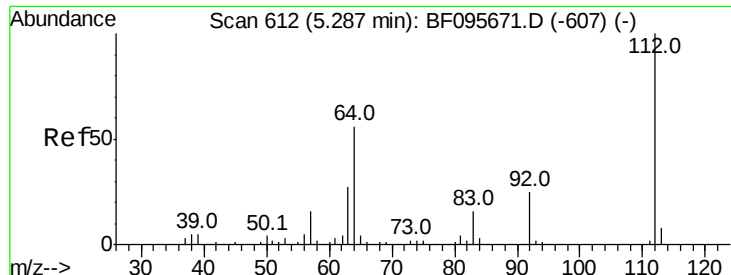
mohammad
 6/22/2017 6:02:57 PM



#4
 n-Nitrosodimethylamine
 Concen: 49.51 ng
 RT: 2.22 min Scan# 125
 Delta R.T. 0.11 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion:	42	Resp:	90848
Ion Ratio	Lower	Upper	
42	100		
74	153.7	103.9	155.9
44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 134.63 ng

RT: 5.21 min Scan# 633

Delta R.T. 0.03 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

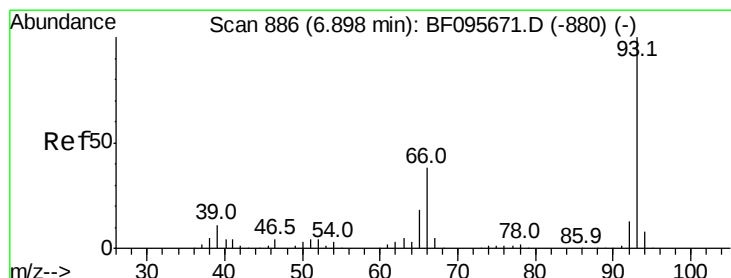
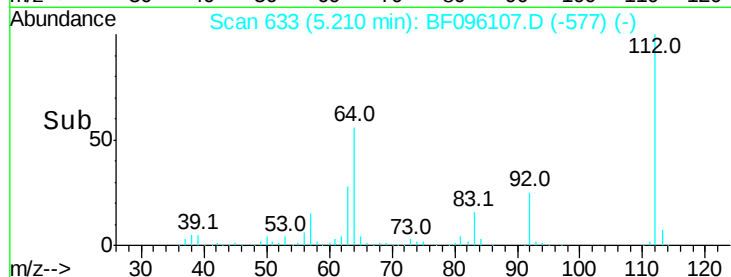
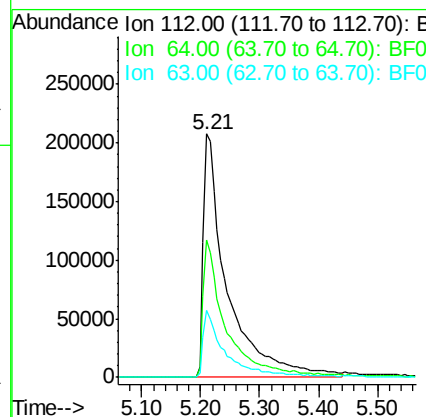
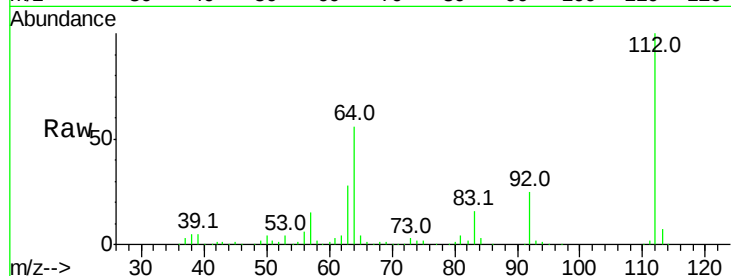
SU-02-061617MSD

Tot Ion:	112	Resp:	581162
Ion Ratio	Lower	Upper	
112	100		
64	56.4	46.0	69.0
63	27.6	23.4	35.0

Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



#6

Aniline

Concen: 8.74 ng

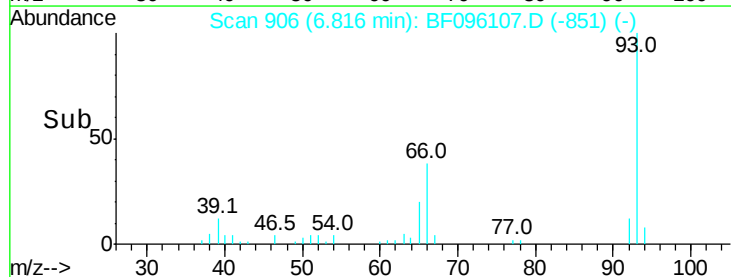
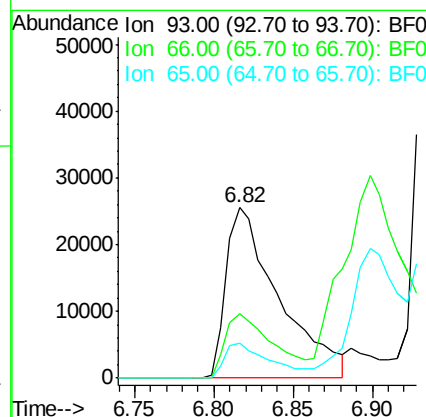
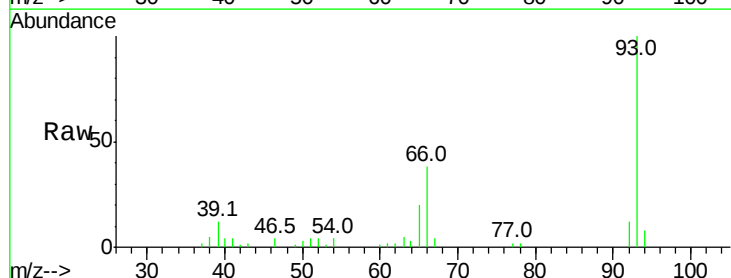
RT: 6.82 min Scan# 906

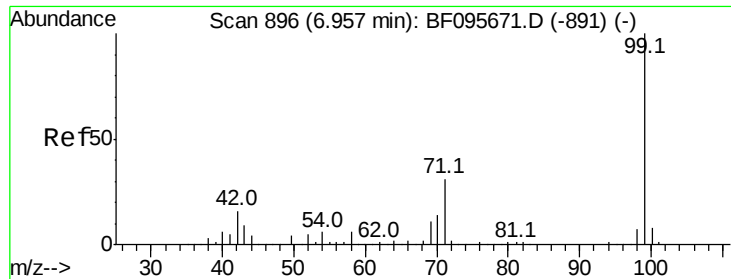
Delta R.T. 0.02 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Tgt Ion:	93	Resp:	59115
Ion Ratio	Lower	Upper	
93	100		
66	37.7	32.9	49.3
65	20.3	16.0	24.0





#7

Phenol-d6

Concen: 131.62 ng

RT: 6.88 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

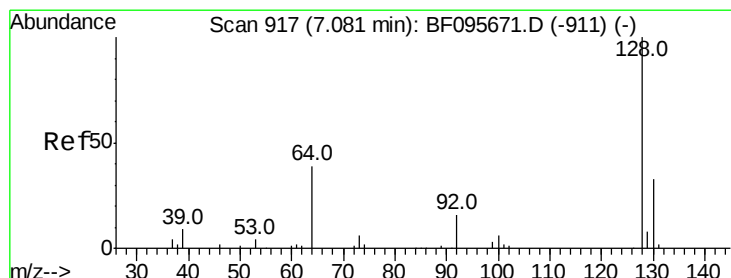
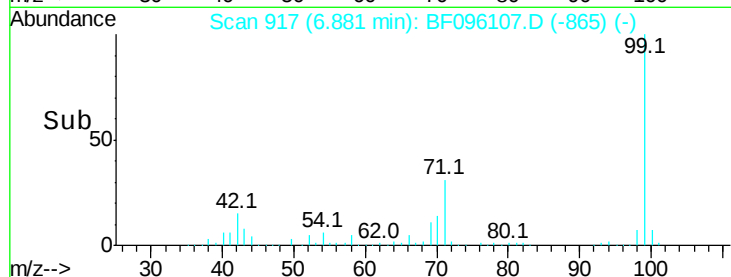
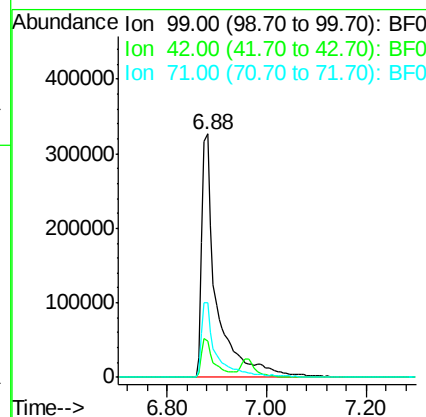
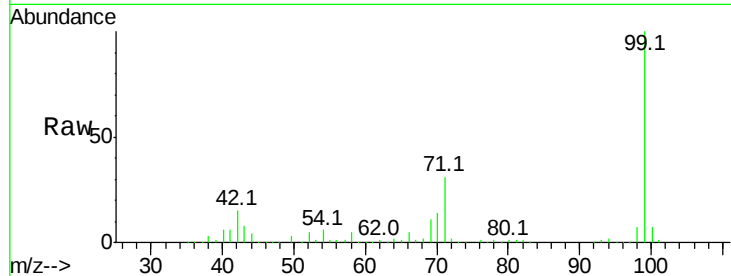
SU-02-061617MSD

Tot Ion:	99	Resp:	680155
Ion Ratio	Lower	Upper	
99	100		
42	14.9	13.5	20.3
71	30.6	24.5	36.7

Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



#8

2-Chlorophenol

Concen: 46.41 ng

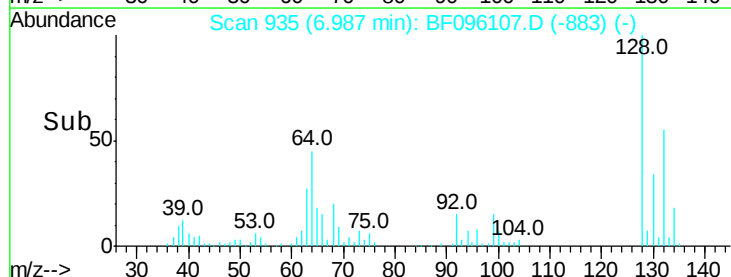
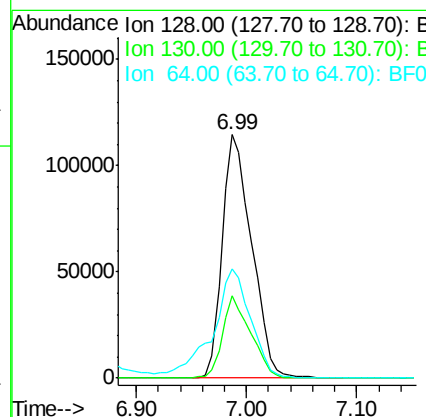
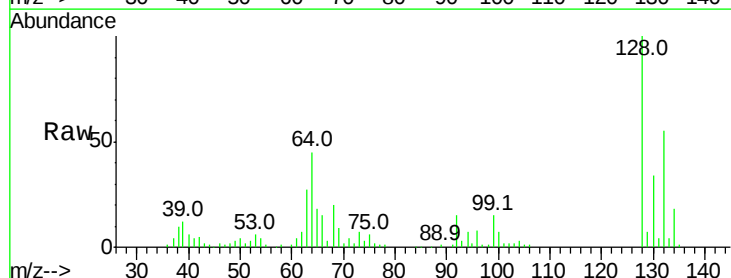
RT: 6.99 min Scan# 935

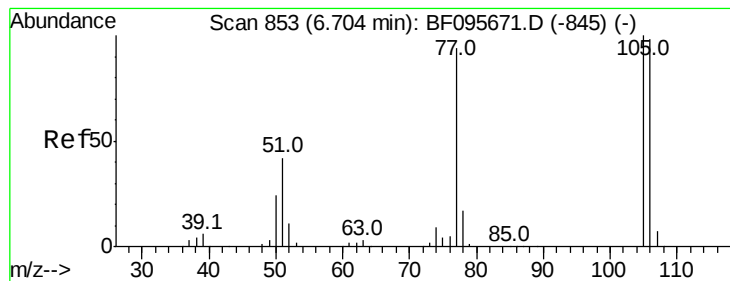
Delta R.T. 0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Tgt Ion:	128	Resp:	213008
Ion Ratio	Lower	Upper	
128	100		
130	34.0	12.9	52.9
64	45.0	28.4	68.4





#9

Benzaldehyde

Concen: 18.76 ng

RT: 6.62 min Scan# 873

Delta R.T. 0.02 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion: 77 Resp: 65388

Ion Ratio Lower Upper

77 100

105 101.8 83.8 123.8

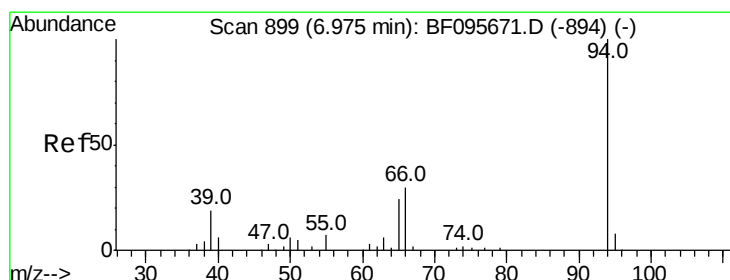
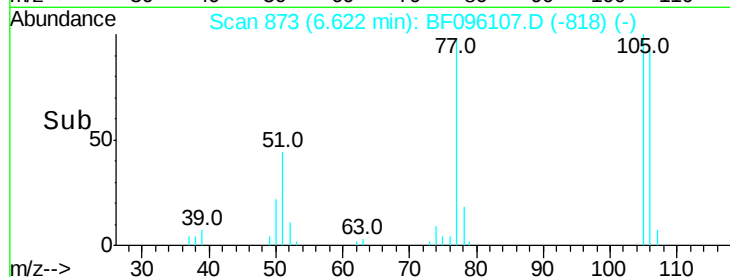
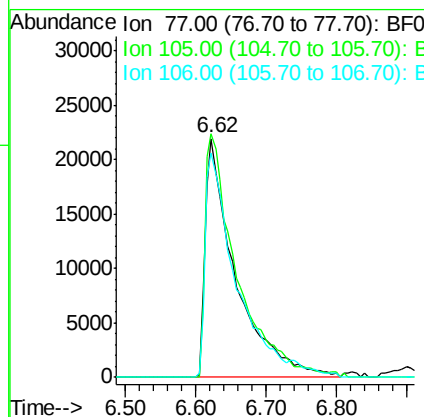
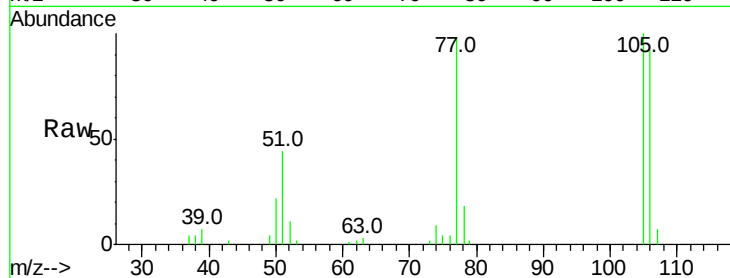
106 94.0 79.1 119.1

Manual Integrations

APPROVED

mohammad

6/22/2017 6:02:57 PM



#10

Phenol

Concen: 42.60 ng

RT: 6.90 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

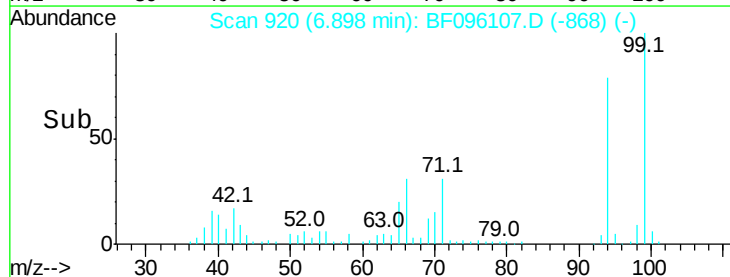
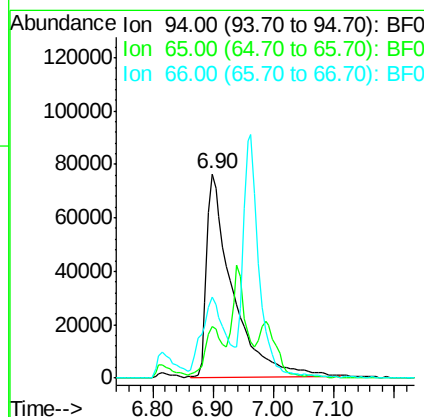
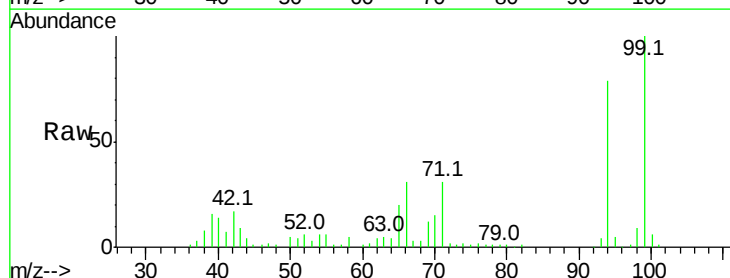
Tgt Ion: 94 Resp: 228359

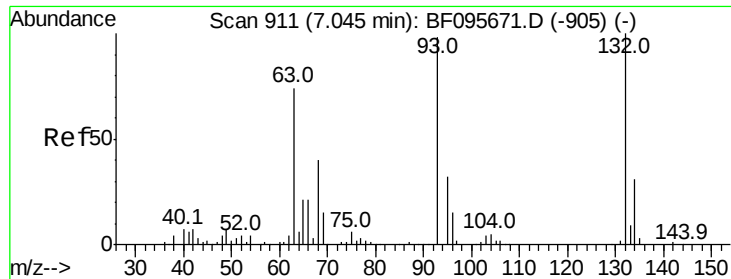
Ion Ratio Lower Upper

94 100

65 25.5 9.9 49.9

66 39.7 23.1 63.1





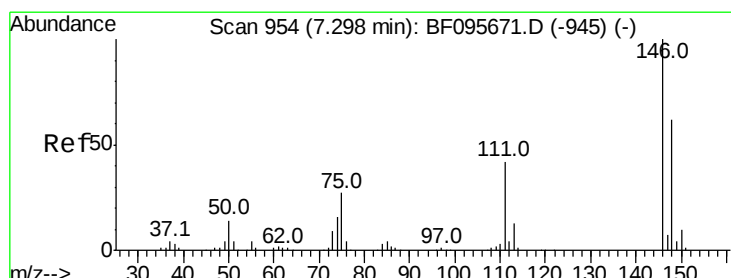
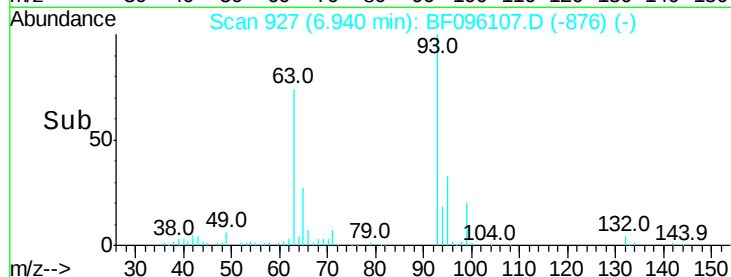
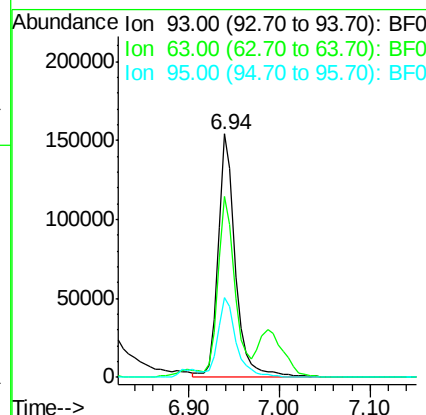
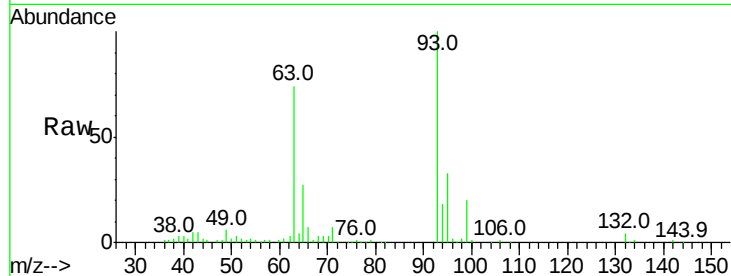
#11
bis(2-Chloroethyl)ether
Concen: 47.70 ng
RT: 6.94 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.4	59.2	99.2
95	33.0	12.8	52.8

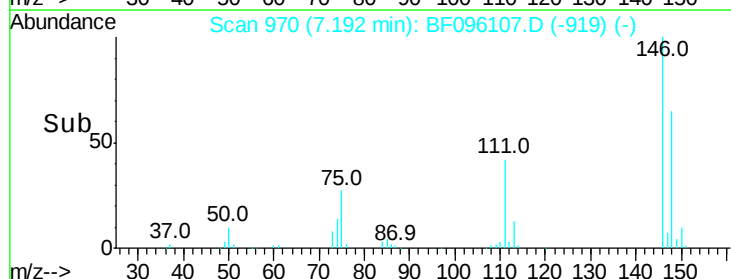
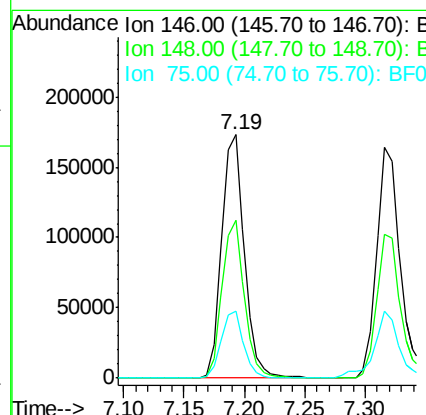
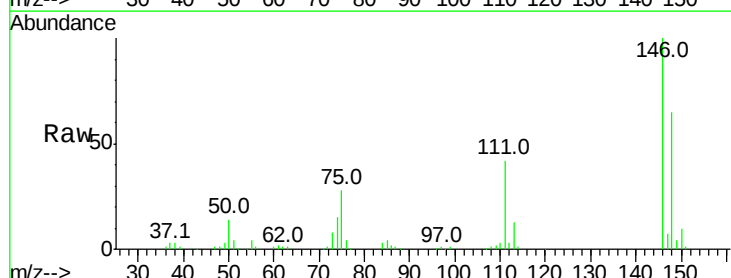
Manual Integrations
APPROVED

mohammad
6/22/2017 6:02:57 PM



#12
1,3-Dichlorobenzene
Concen: 42.92 ng
RT: 7.19 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	27.7	23.1	34.7





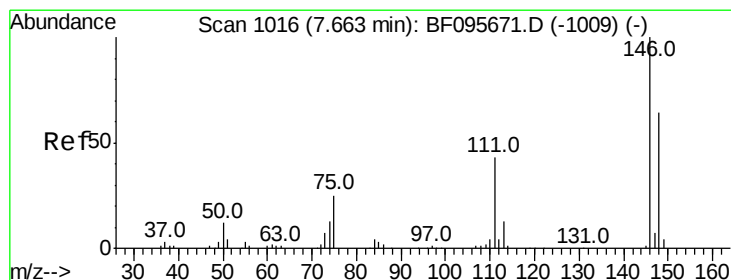
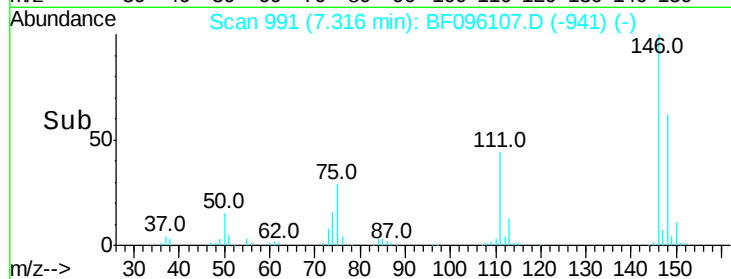
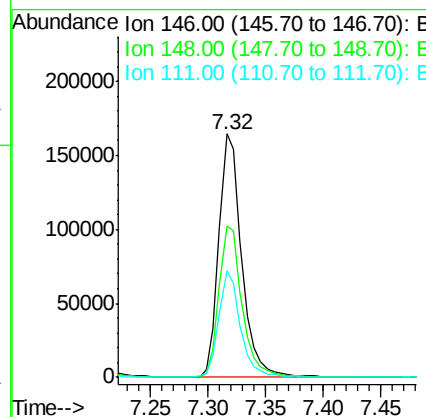
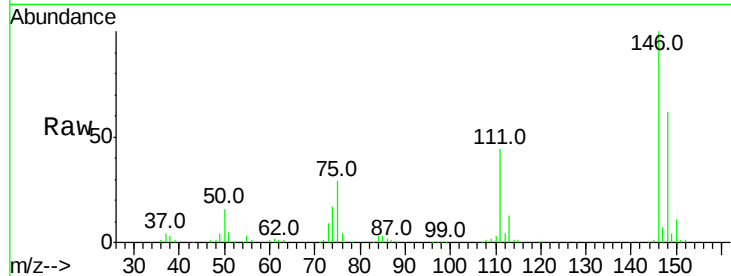
#13
 1,4-Dichlorobenzene
 Concen: 43.08 ng
 RT: 7.32 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	52.2	78.2
111	43.6	30.3	45.5

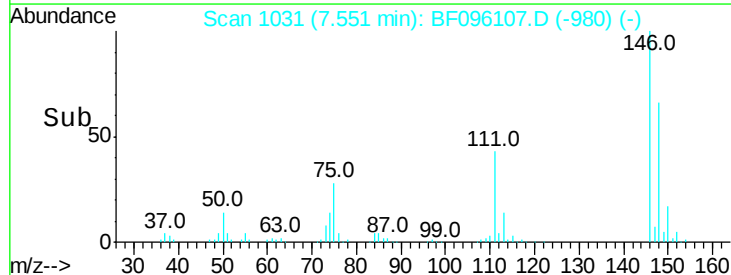
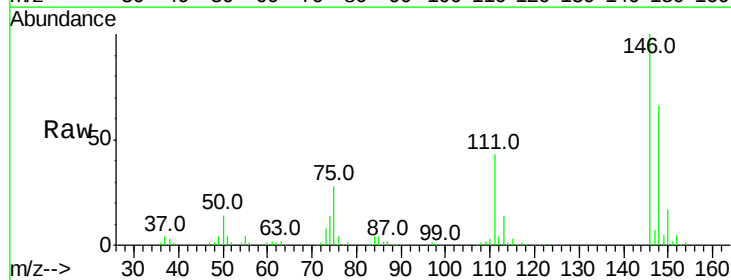
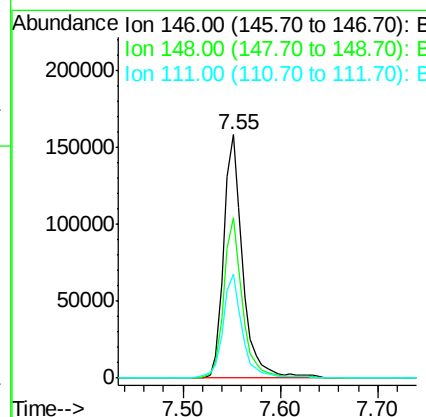
Manual Integrations
 APPROVED

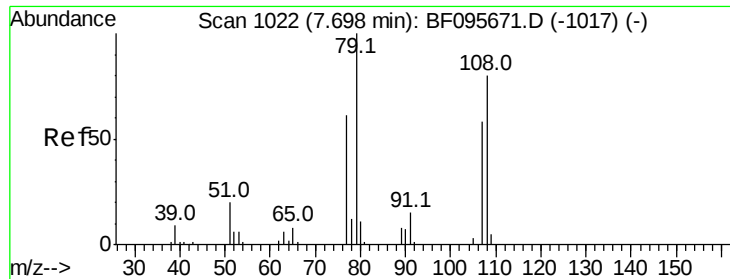
mohammad
 6/22/2017 6:02:57 PM



#14
 1,2-Dichlorobenzene
 Concen: 44.05 ng
 RT: 7.55 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.1	50.4	75.6
111	42.6	38.2	57.4





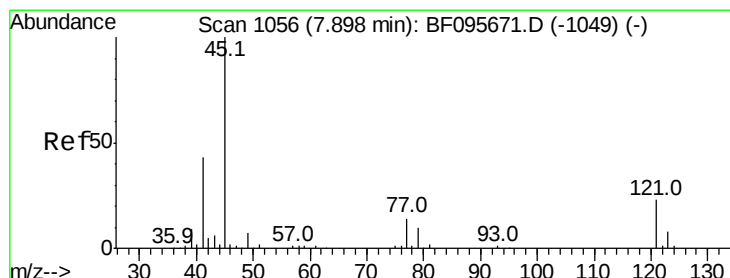
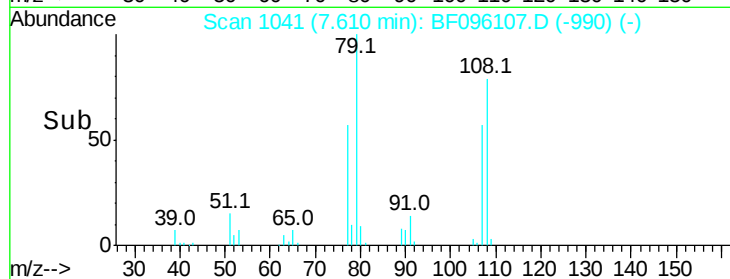
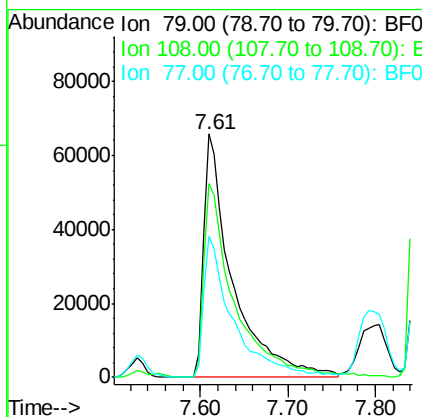
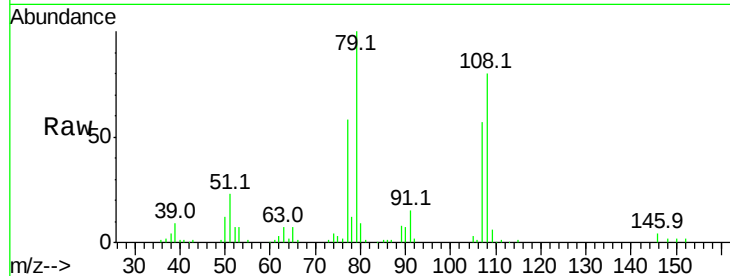
#15
Benzyl Alcohol
Concen: 42.28 ng
RT: 7.61 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.7	63.4	95.0	
77	58.1	49.2	73.8	

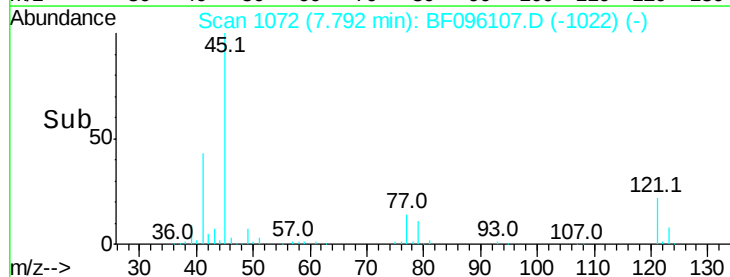
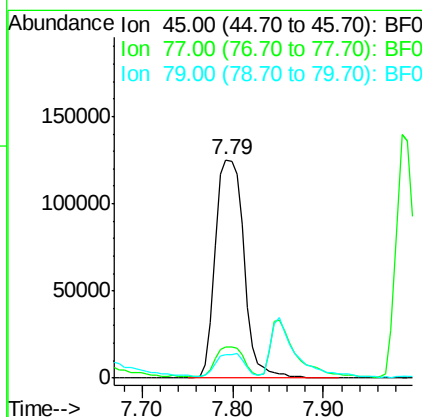
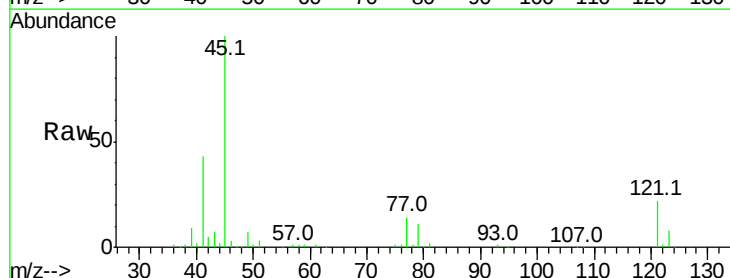
Manual Integrations
APPROVED

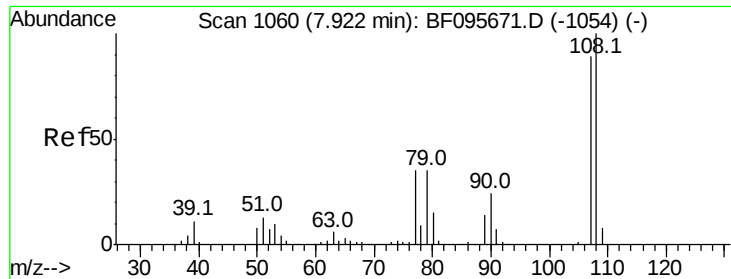
mohammad
6/22/2017 6:02:57 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 46.02 ng
RT: 7.79 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	14.4	0.0	33.2	
79	10.6	0.0	30.0	





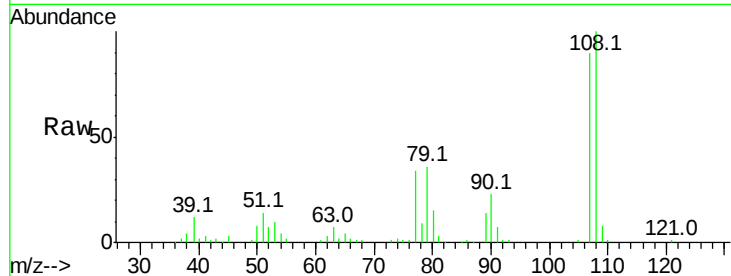
#17
2-Methylphenol
Concen: 44.78 ng
RT: 7.85 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

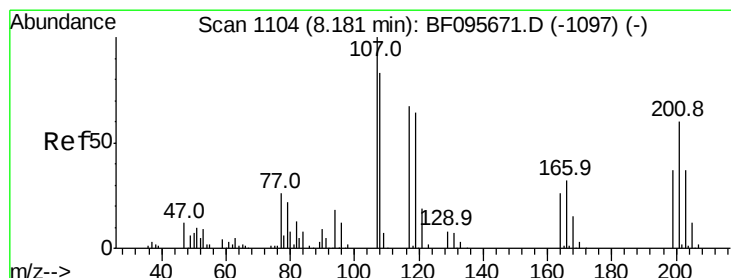
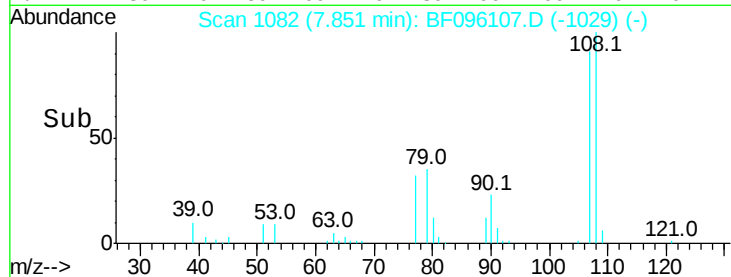
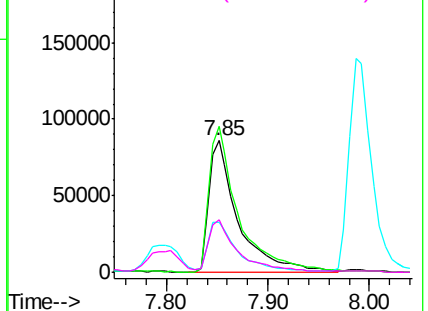
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.4	93.4	140.0	
77	38.4	35.8	53.6	
79	40.2	34.8	52.2	

Manual Integrations
APPROVED

mohammad
6/22/2017 6:02:57 PM

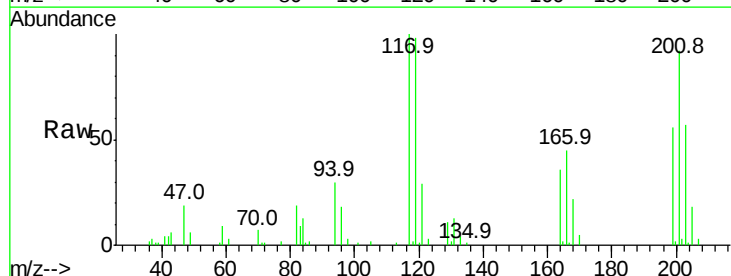


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

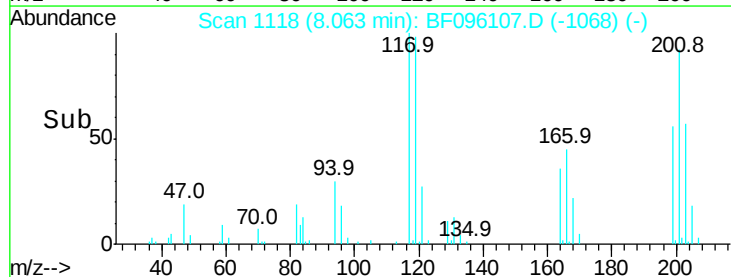
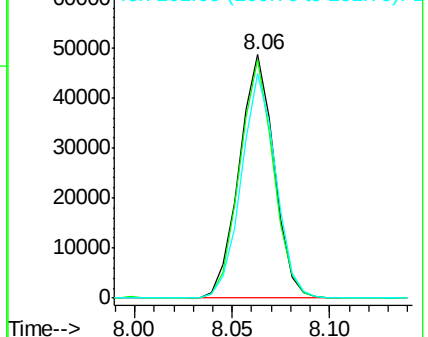


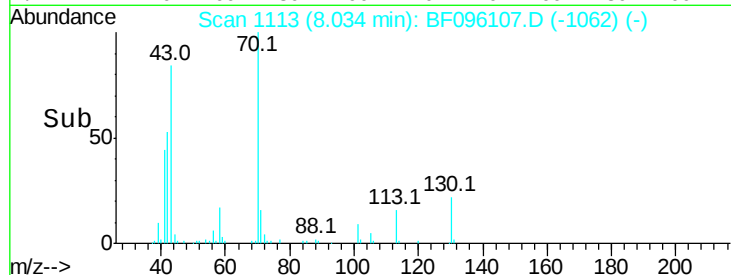
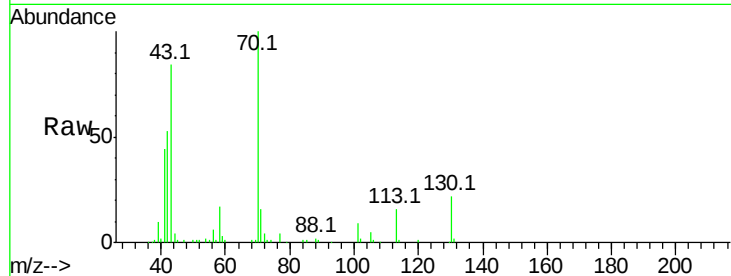
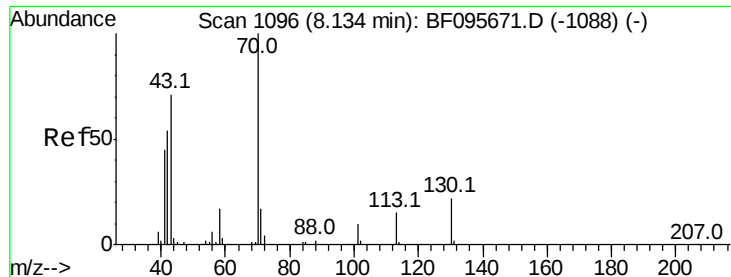
#18
Hexachloroethane
Concen: 34.59 ng
RT: 8.06 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.0	77.4	116.0	
201	92.3	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





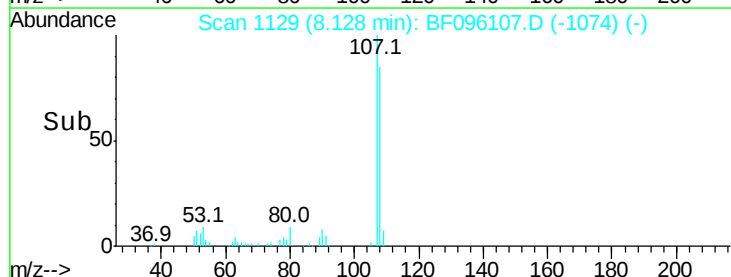
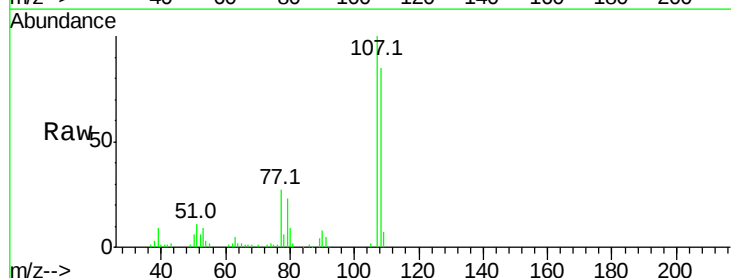
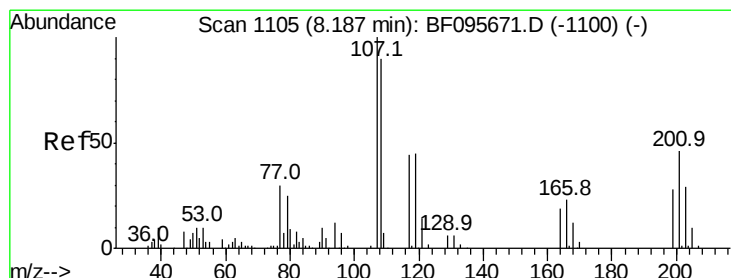
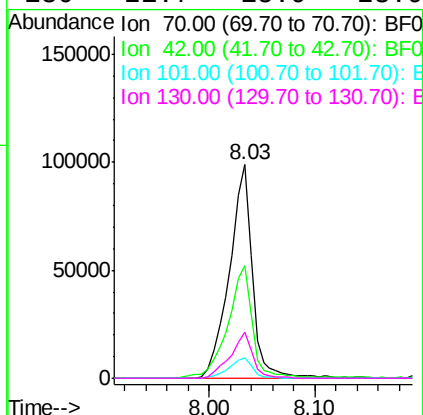
#19
n-Nitroso-di-n-propylamine
Concen: 45.56 ng
RT: 8.03 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.6	47.2	70.8	
101	9.4	7.2	10.8	
130	21.7	15.9	23.9	

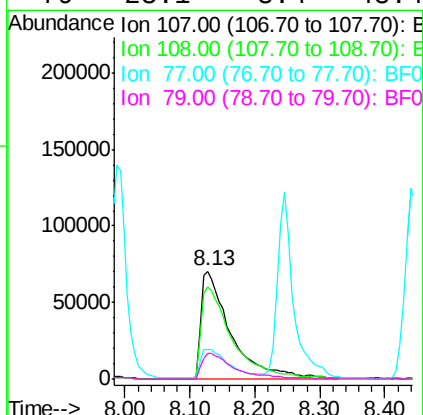
Manual Integrations
APPROVED

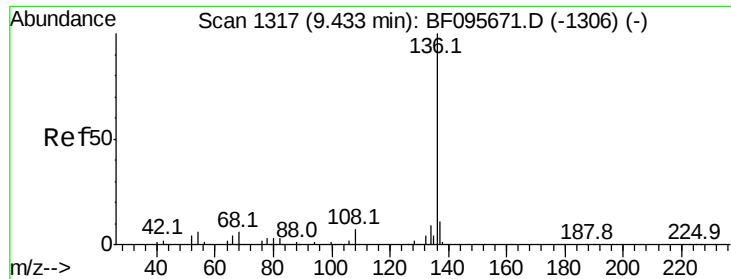
mohammad
6/22/2017 6:02:57 PM



#20
3+4-Methylphenols
Concen: 45.93 ng
RT: 8.13 min Scan# 1129
Delta R.T. 0.02 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	84.8	71.0	111.0	
77	27.3	90.5	130.5#	
79	23.1	8.4	48.4	





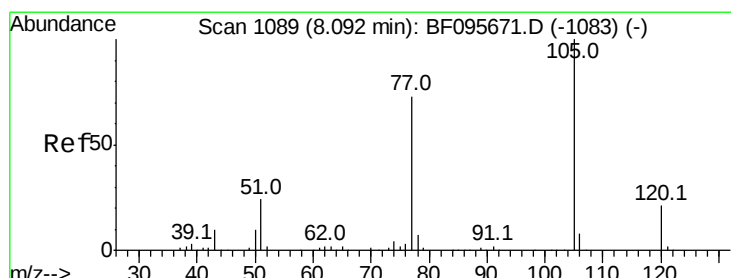
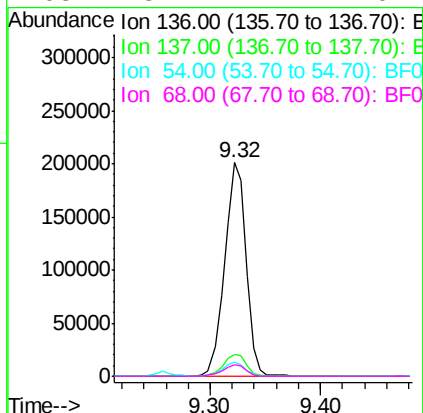
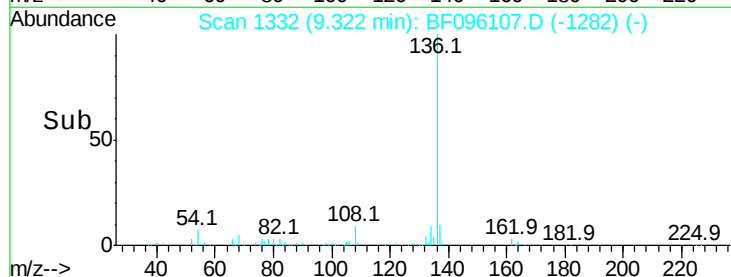
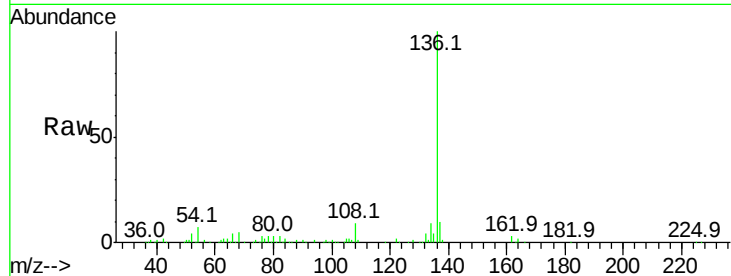
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		273415		
137	10.5	8.5	12.7		
54	6.7	4.9	7.3		
68	5.4	4.1	6.1		

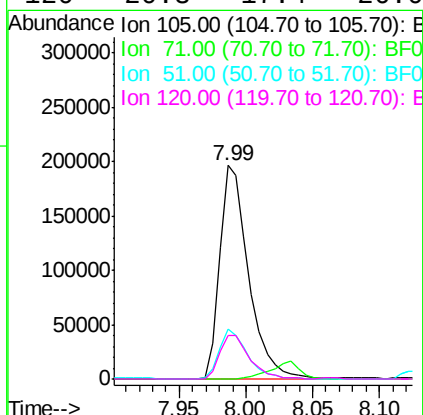
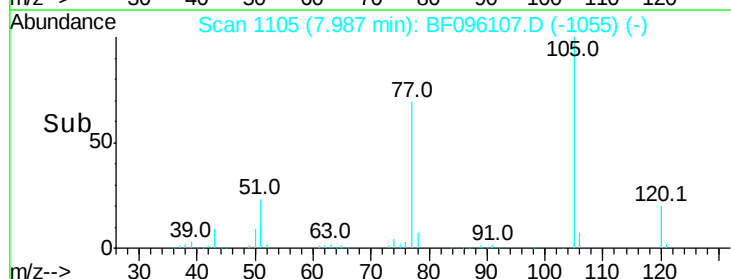
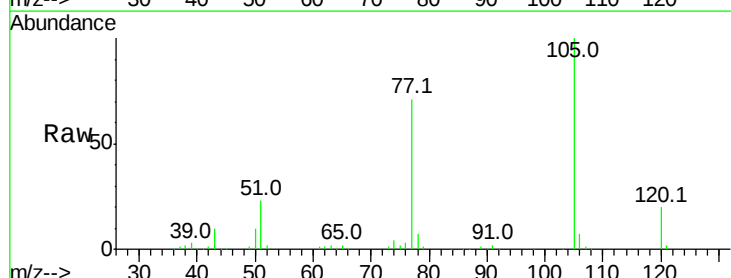
Manual Integrations
APPROVED

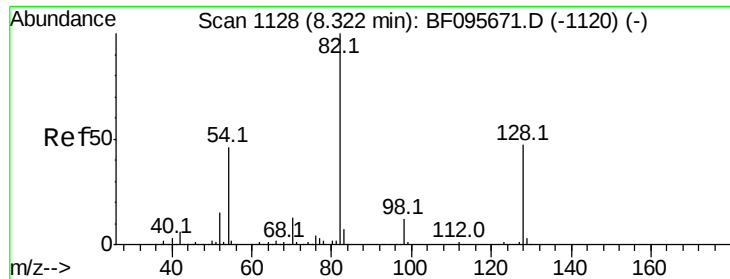
mohammad
6/22/2017 6:02:57 PM



#22
Acetophenone
Concen: 46.86 ng
RT: 7.99 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		299913		
71	0.0	2.8	4.2#		
51	23.4	30.7	46.1#		
120	20.3	17.4	26.0		





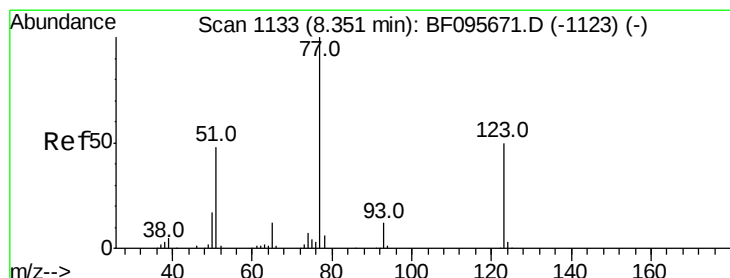
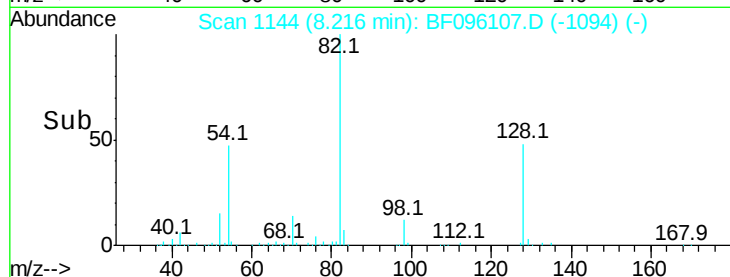
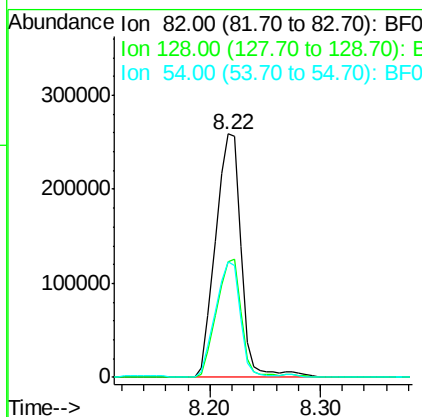
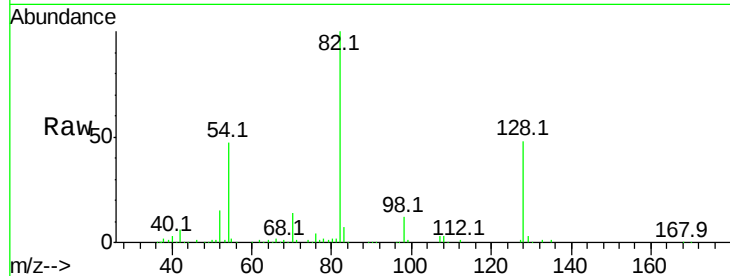
#23
 Nitrobenzene-d5
 Concen: 95.04 ng
 RT: 8.22 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	34.0	51.0	
54	47.5	42.2	63.2	

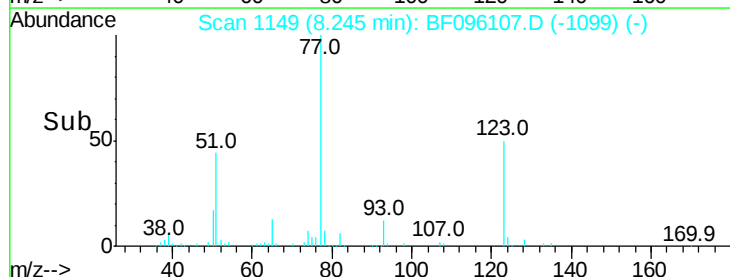
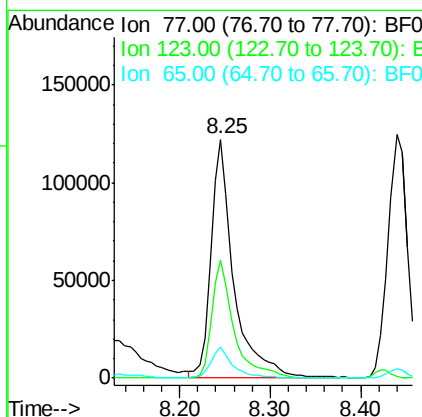
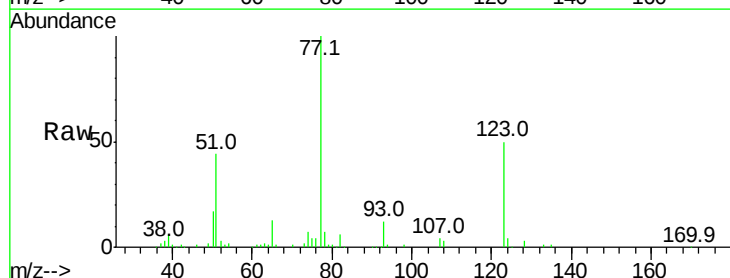
Manual Integrations
 APPROVED

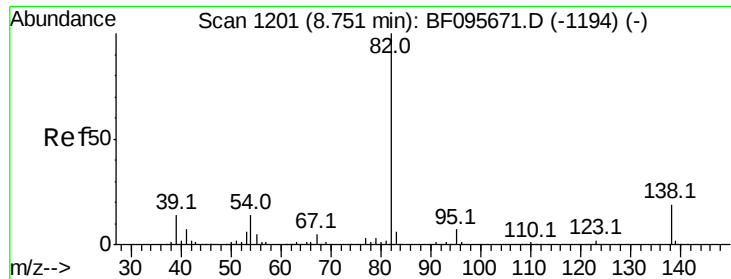
mohammad
 6/22/2017 6:02:57 PM



#24
 Nitrobenzene
 Concen: 44.69 ng
 RT: 8.25 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.6	35.8	53.8	
65	12.9	10.6	15.8	





#25

Isophorone

Concen: 44.88 ng

RT: 8.65 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion: 82 Resp: 368954

Ion Ratio Lower Upper

82 100

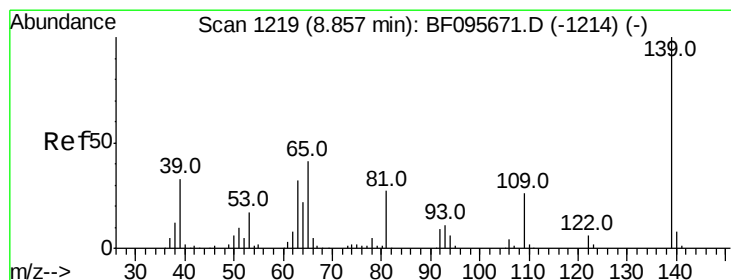
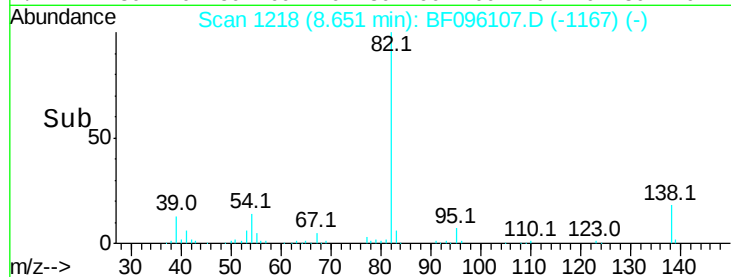
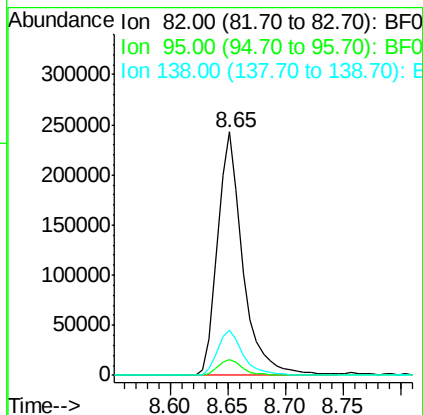
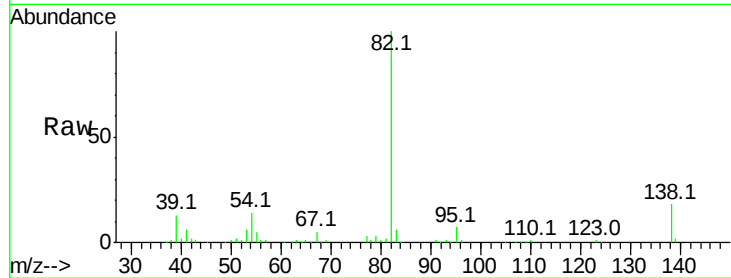
95 6.7 5.3 7.9

138 18.4 13.1 19.7

Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



#26

2-Nitrophenol

Concen: 35.81 ng

RT: 8.76 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

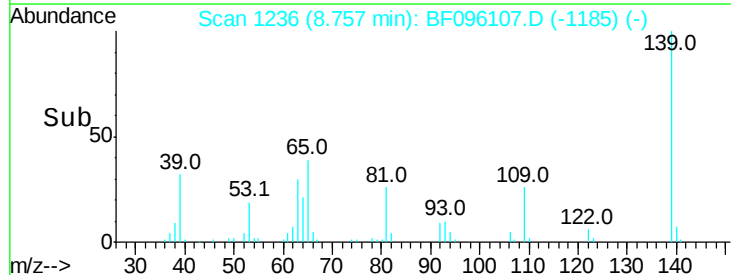
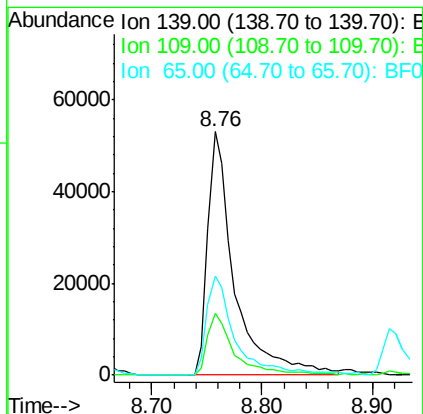
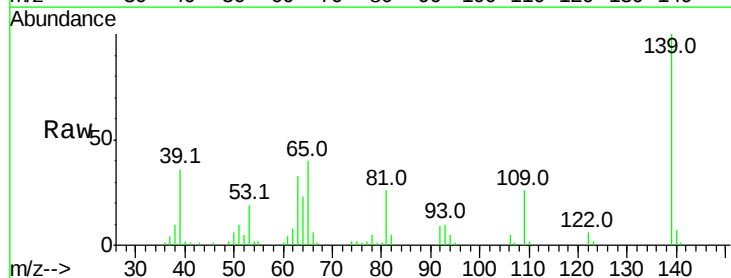
Tgt Ion: 139 Resp: 88175

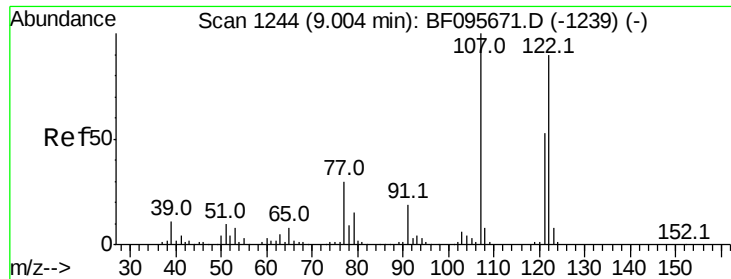
Ion Ratio Lower Upper

139 100

109 25.6 21.0 31.6

65 40.4 33.0 49.6





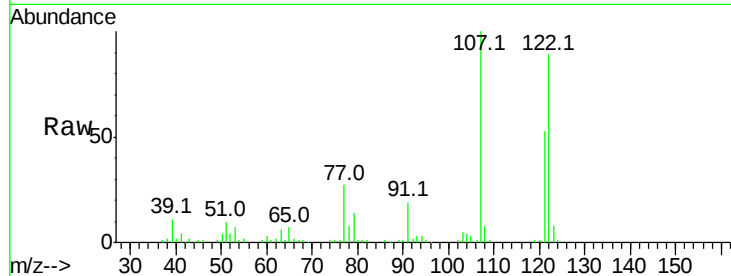
#27
2,4-Dimethylphenol
Concen: 48.55 ng
RT: 8.92 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

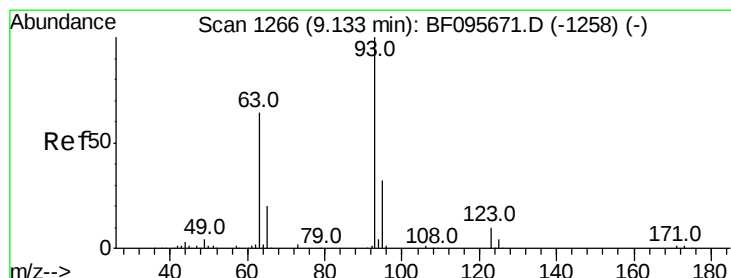
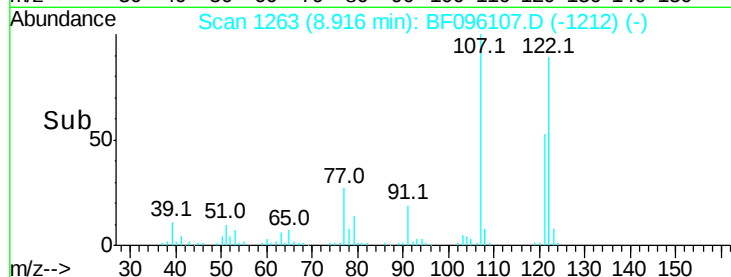
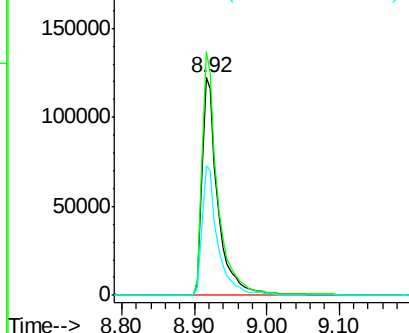
Tot Ion	Ratio	Resp	Lower	Upper
122	100	185557		
107	111.8	89.2	133.8	
121	59.5	45.2	67.8	

Manual Integrations
APPROVED

mohammad
6/22/2017 6:02:57 PM

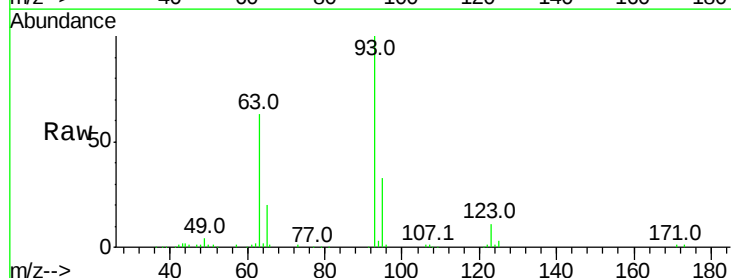


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

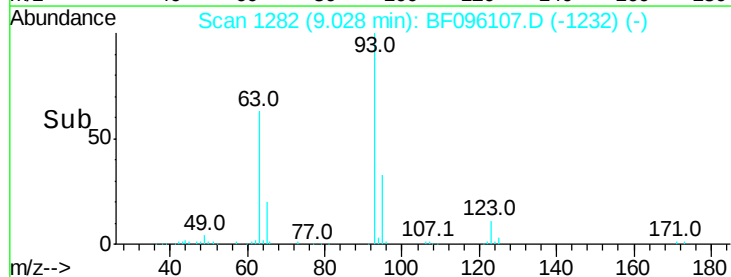
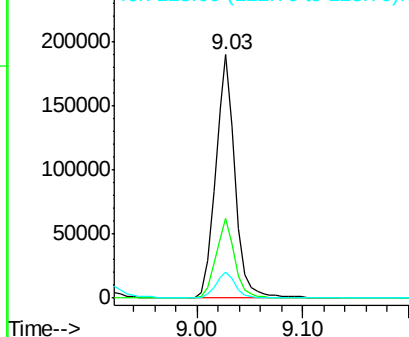


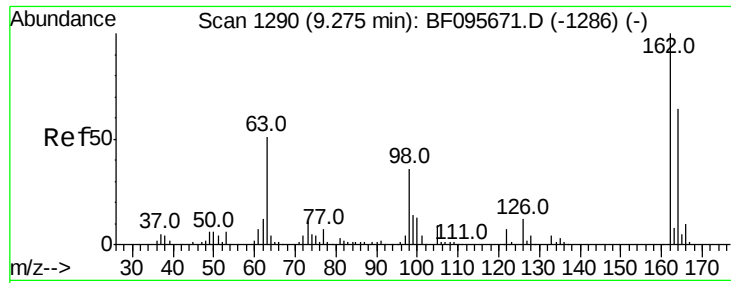
#28
bis(2-Chloroethoxy)methane
Concen: 45.16 ng
RT: 9.03 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	244698		
95	32.9	26.5	39.7	
123	10.7	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





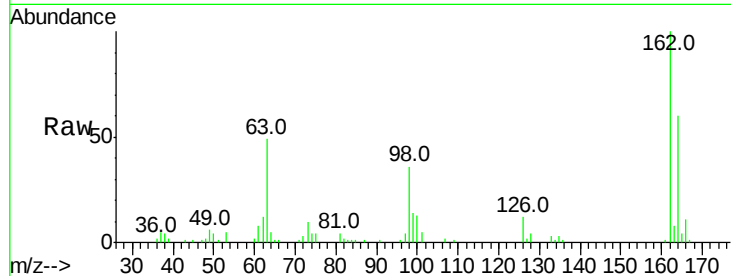
#29
 2,4-Dichlorophenol
 Concen: 42.28 ng
 RT: 9.21 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

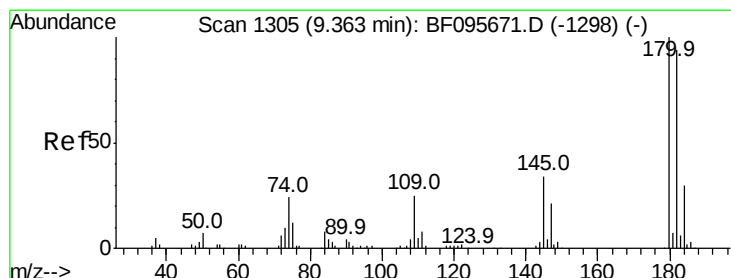
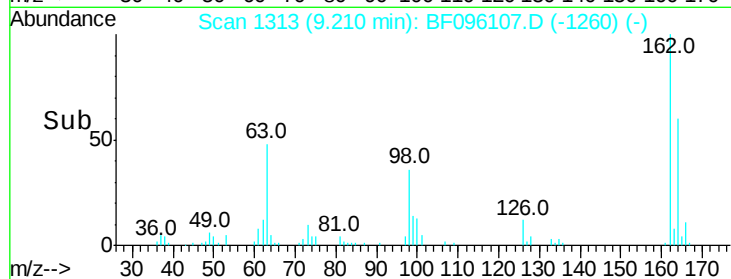
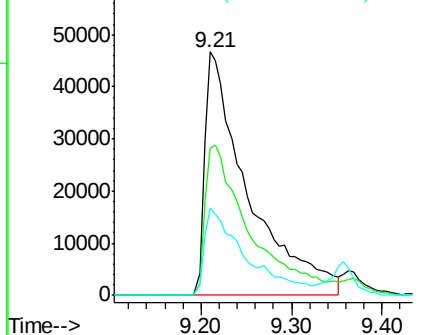
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	60.4	44.6	84.6
98	35.7	14.8	54.8

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM



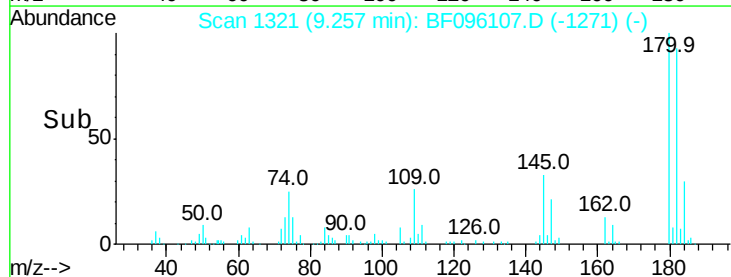
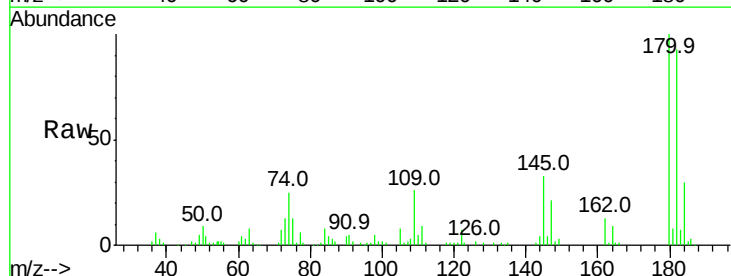
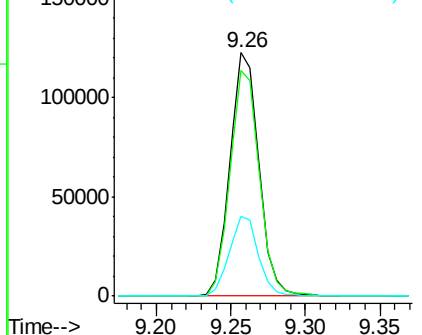
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

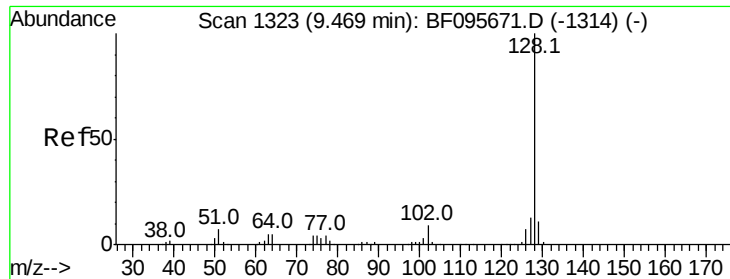


#30
 1,2,4-Trichlorobenzene
 Concen: 43.64 ng
 RT: 9.26 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	92.6	75.8	113.6
145	32.7	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





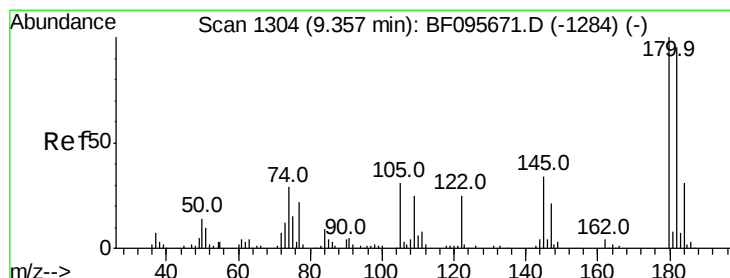
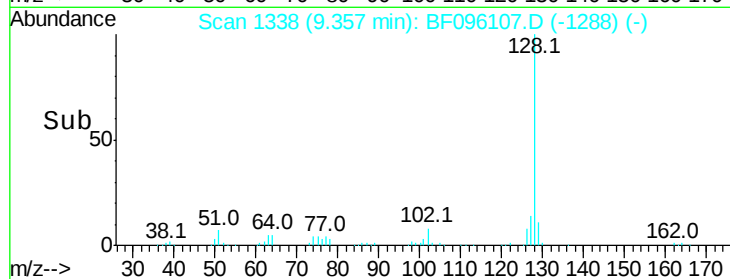
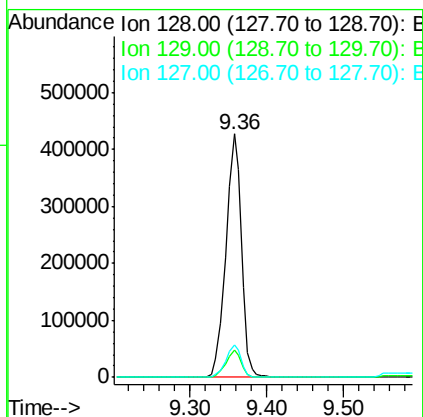
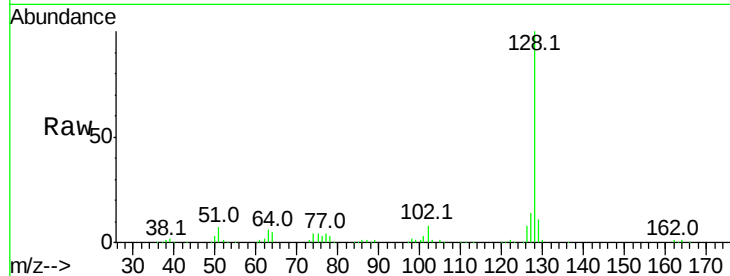
#31
Naphthalene
Concen: 44.03 ng
RT: 9.36 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.5	10.8	16.2

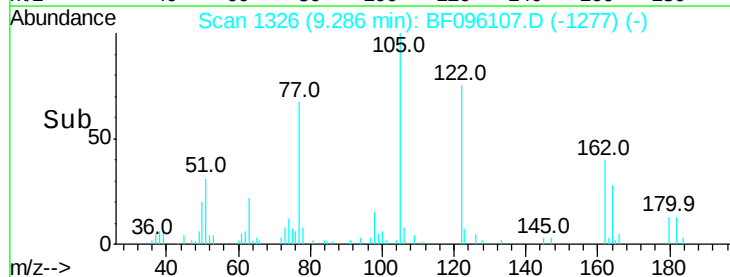
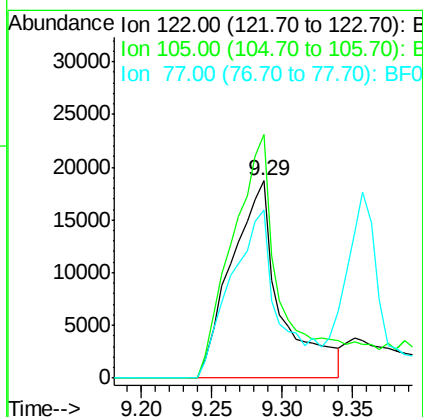
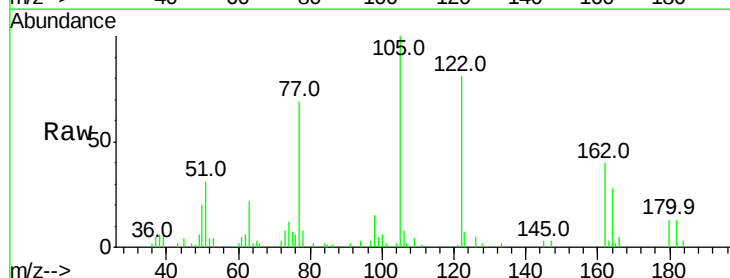
Manual Integrations
APPROVED

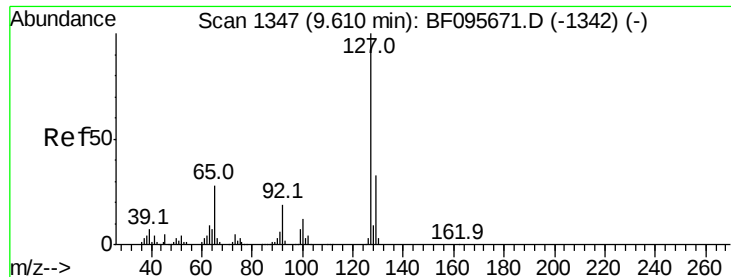
mohammad
6/22/2017 6:02:57 PM



#32
Benzoic acid
Concen: 22.15 ng
RT: 9.29 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.3	143.3
77	84.9	73.7	113.7





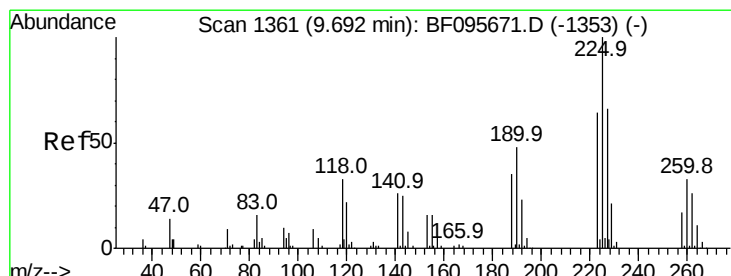
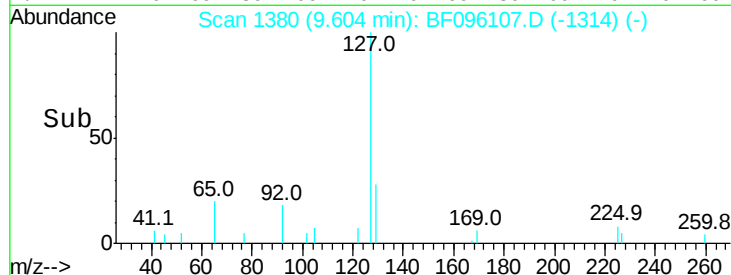
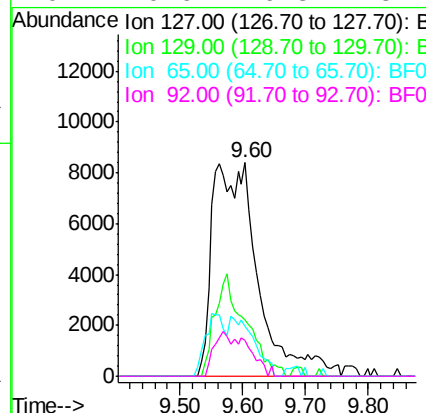
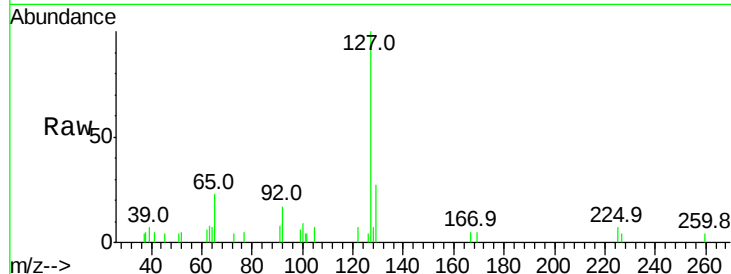
#33
4-Chloroaniline
Concen: 7.90 ng/mL
RT: 9.60 min Scan# 1380
Delta R.T. 0.09 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	26.5	26.2	39.2		
65	23.3	27.8	41.8		
92	16.6	16.8	25.2		

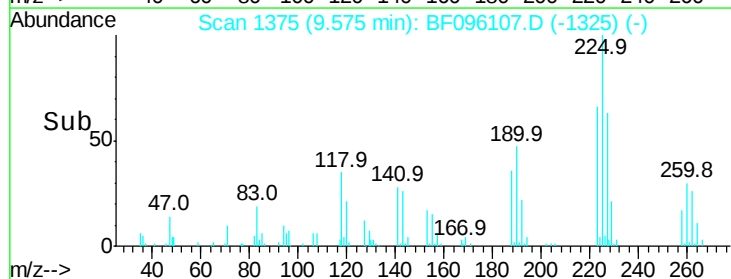
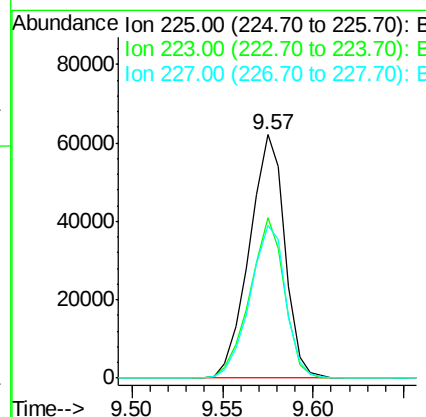
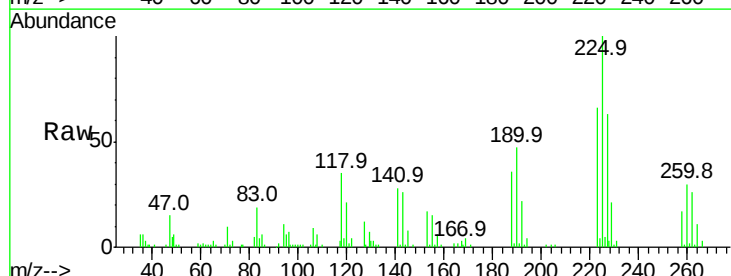
Manual Integrations
APPROVED

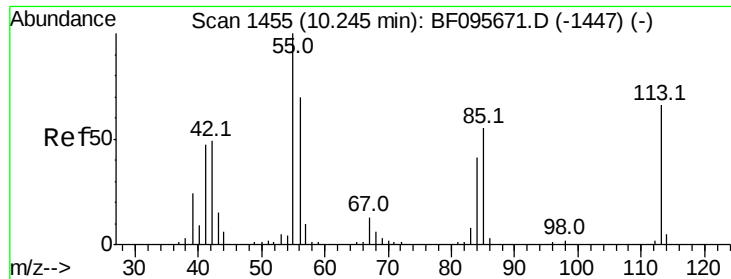
mohammad
6/22/2017 6:02:57 PM



#34
Hexachlorobutadiene
Concen: 42.61 ng/mL
RT: 9.57 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	65.6	48.8	73.2		
227	62.6	51.1	76.7		





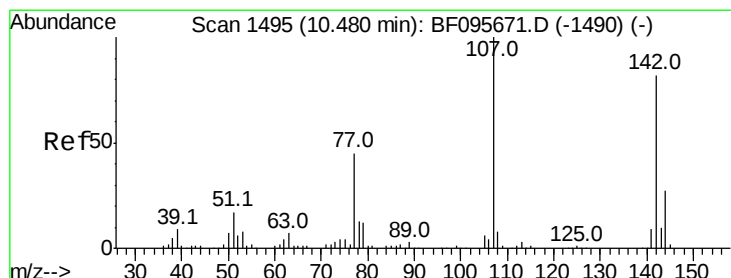
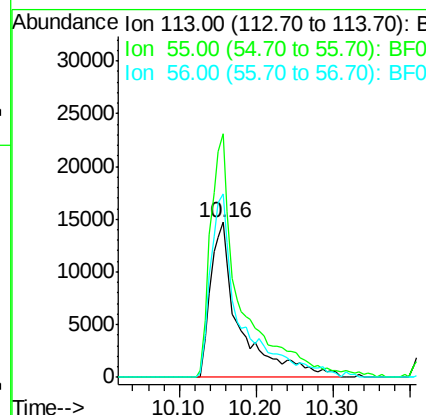
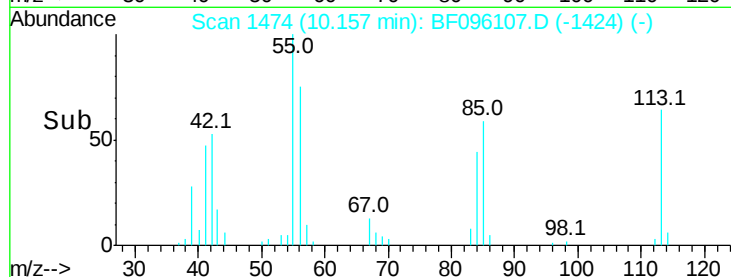
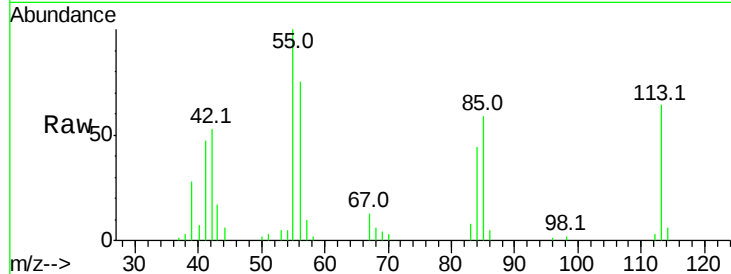
#35
 Caprolactam
 Concen: 35.61 ng/ml
 RT: 10.16 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion: 113 Resp: 39004
 Ion Ratio Lower Upper
 113 100
 55 157.2 150.2 190.2
 56 118.1 107.8 147.8

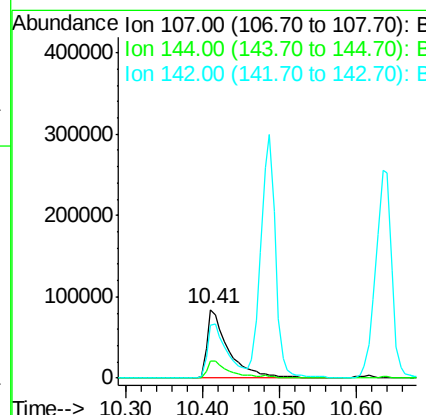
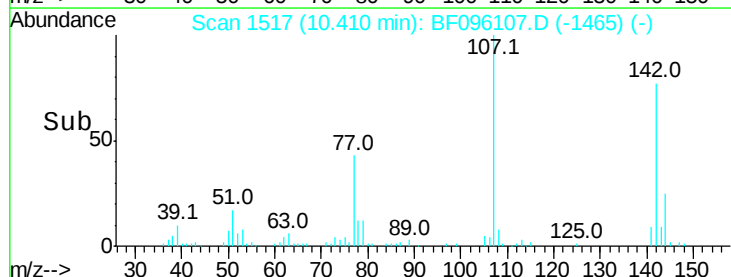
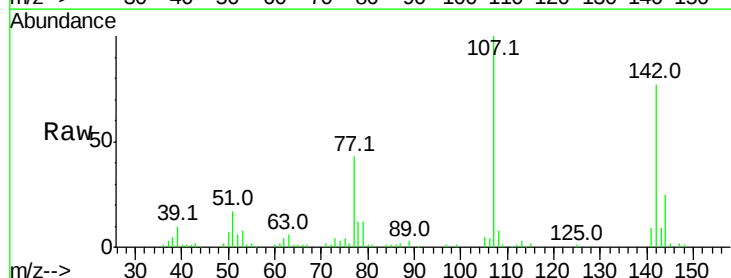
Manual Integrations
 APPROVED

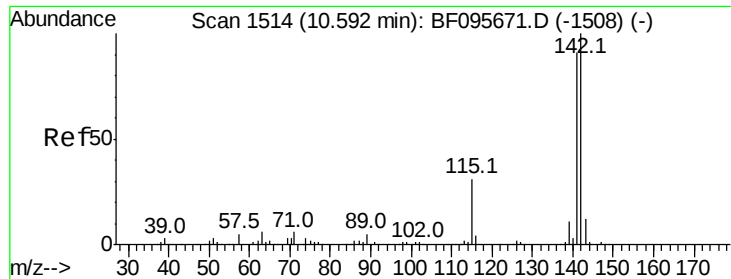
mohammad
 6/22/2017 6:02:57 PM



#36
 4-Chloro-3-methylphenol
 Concen: 42.83 ng
 RT: 10.41 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion: 107 Resp: 165014
 Ion Ratio Lower Upper
 107 100
 144 24.7 24.2 36.4
 142 76.8 73.4 110.0





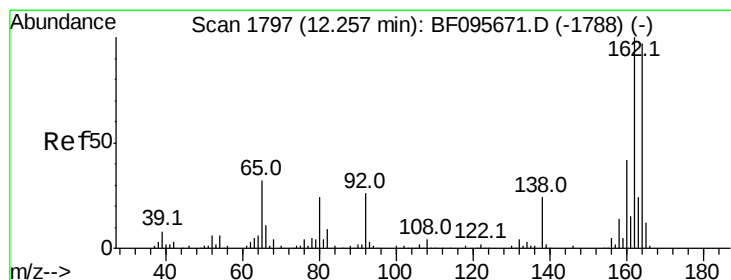
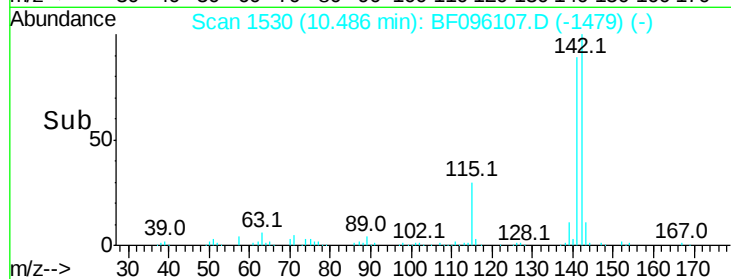
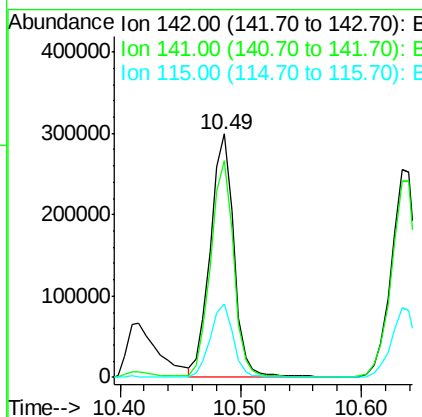
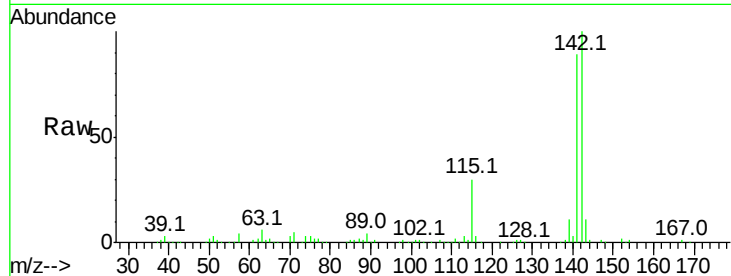
#37
2-Methylnaphthalene
Concen: 43.50 ng
RT: 10.49 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	30.1	27.1	40.7

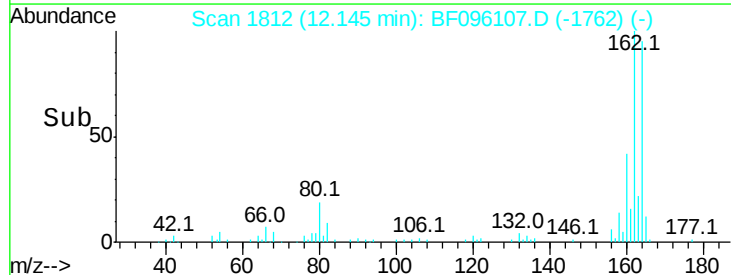
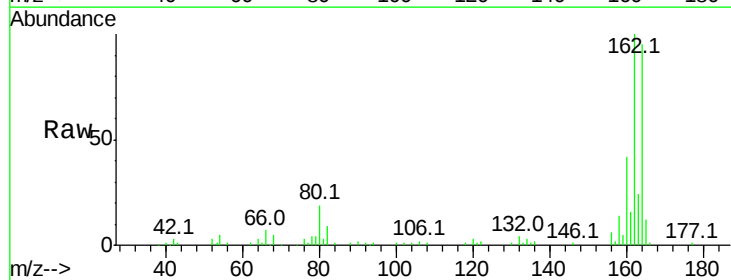
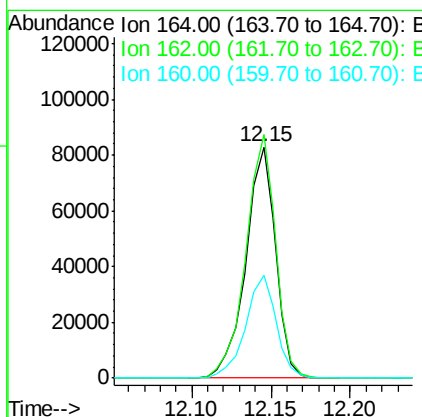
Manual Integrations
APPROVED

mohammad
6/22/2017 6:02:57 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.15 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.6	123.8
160	44.5	36.2	54.2





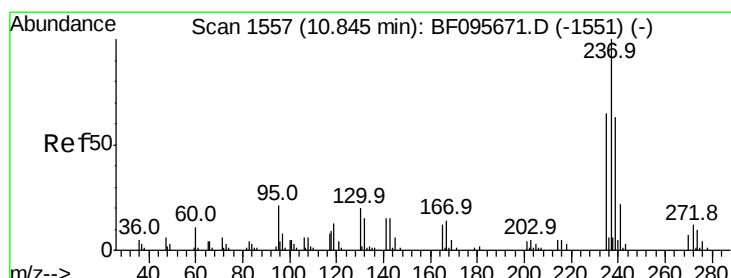
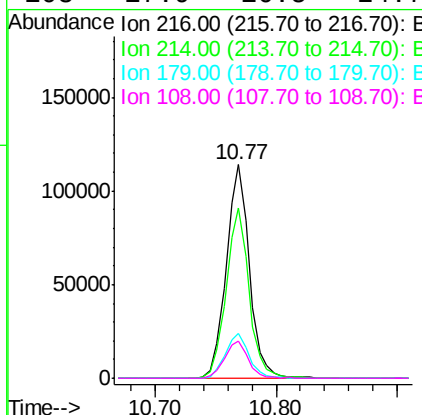
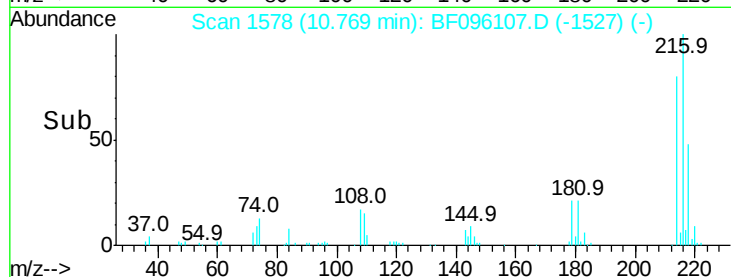
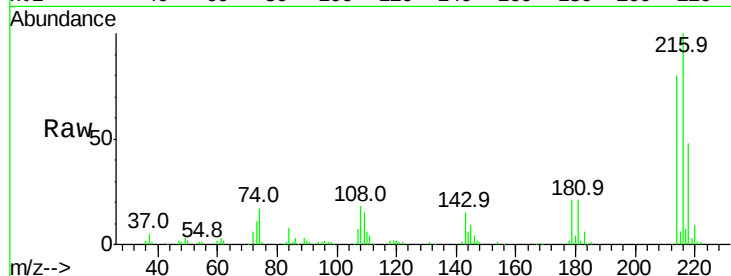
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.71 ng
 RT: 10.77 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	151388		
214	78.7		63.4	95.2
179	21.3		17.9	26.9
108	17.9		16.5	24.7

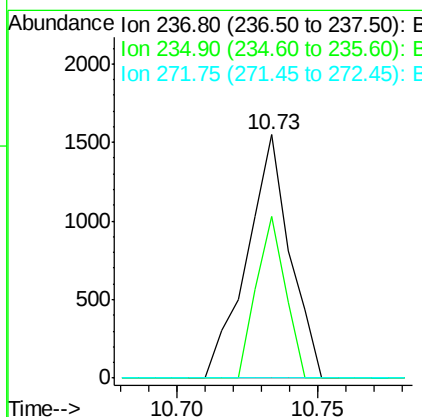
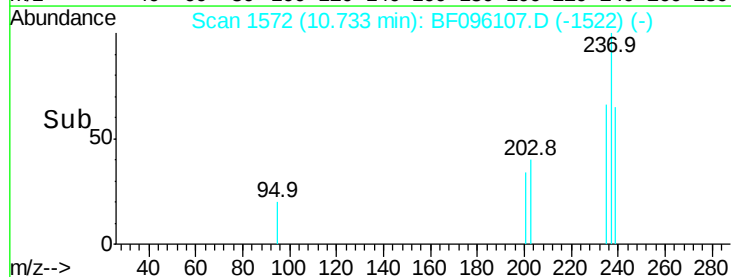
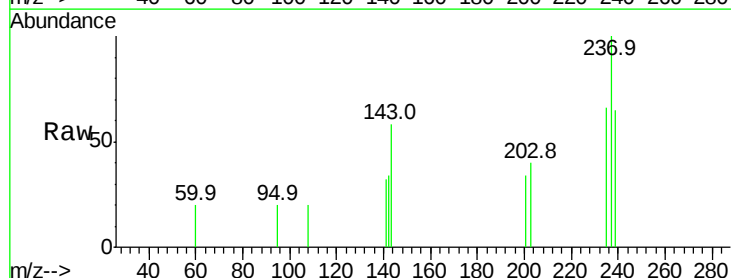
Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM



#40
 Hexachlorocyclopentadiene
 Concen: 12.62 ng
 RT: 10.73 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	1632		
235	66.4		42.6	82.6
272	0.0		0.0	31.9





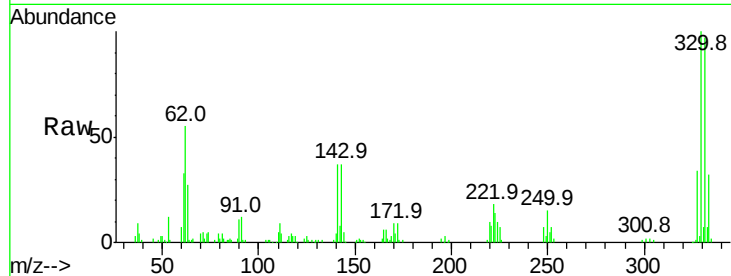
#41
 2,4,6-Tribromophenol
 Concen: 126.46 ng
 RT: 13.45 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

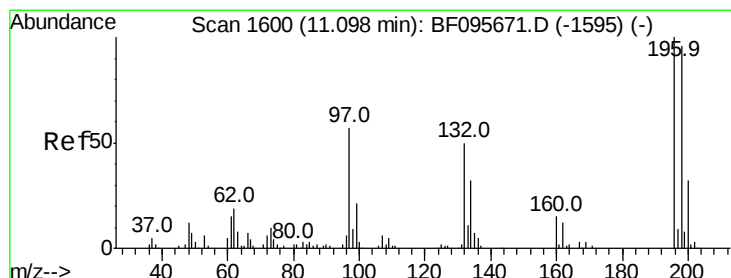
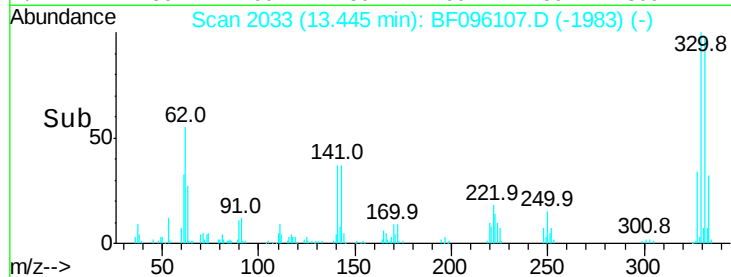
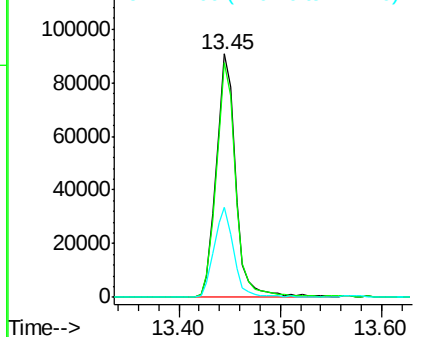
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	37.3	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM



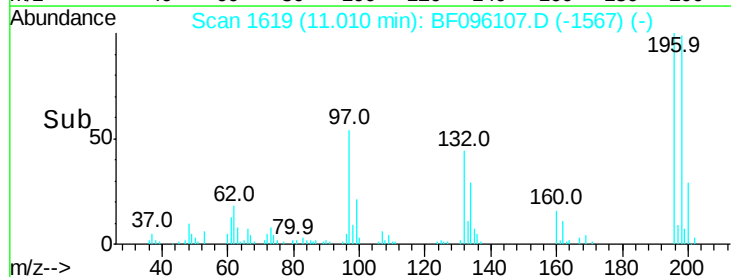
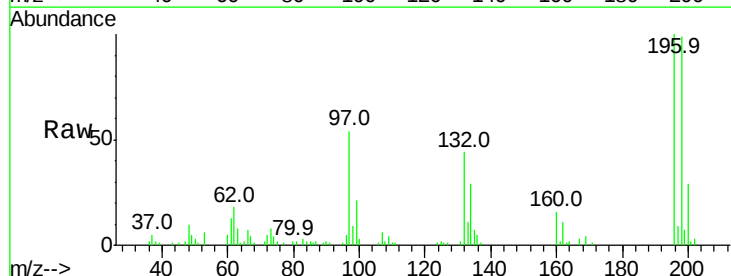
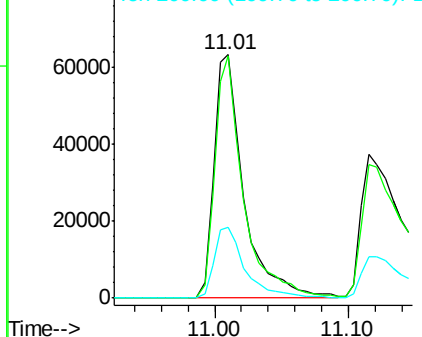
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

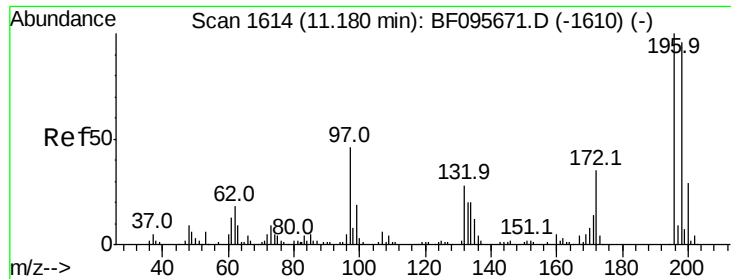


#42
 2,4,6-Trichlorophenol
 Concen: 47.69 ng
 RT: 11.01 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	99.5	74.2	111.4	
200	29.2	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





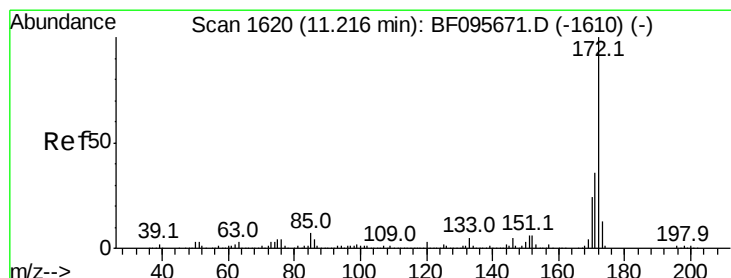
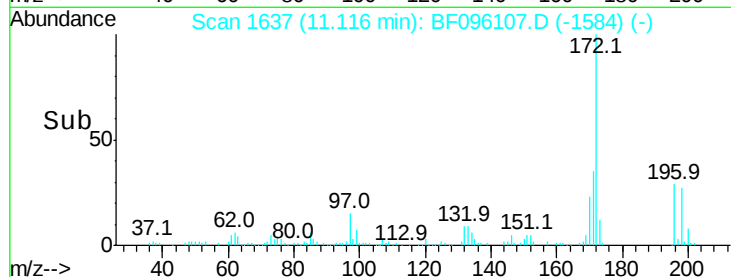
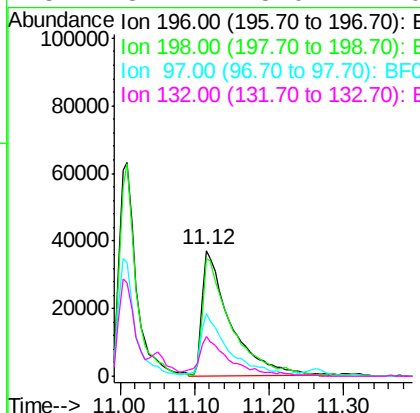
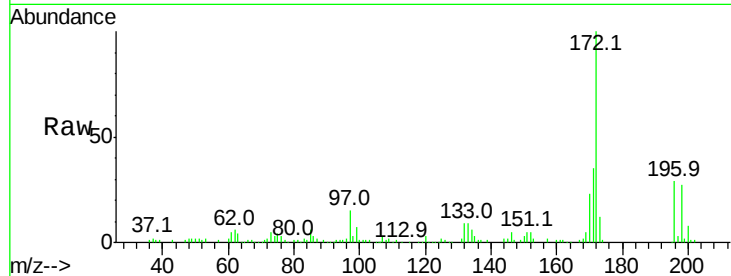
#43
 2,4,5-Trichlorophenol
 Concen: 43.86 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	97218		
198	93.4	75.7	113.5	
97	49.9	47.7	71.5	
132	31.4	28.0	42.0	

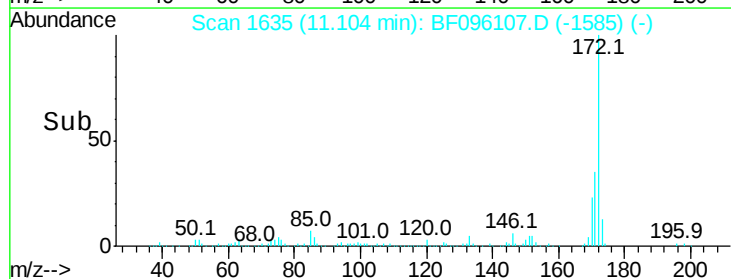
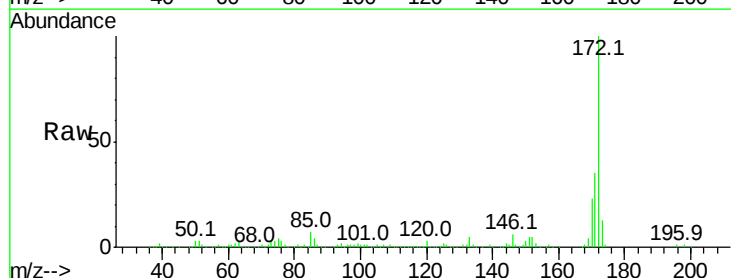
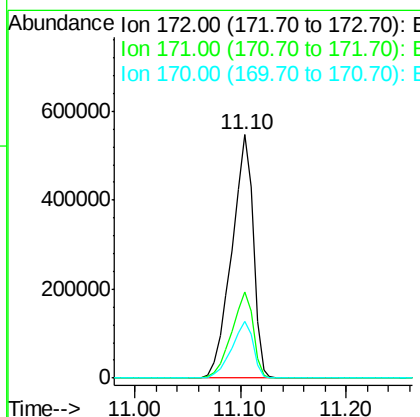
Manual Integrations
 APPROVED

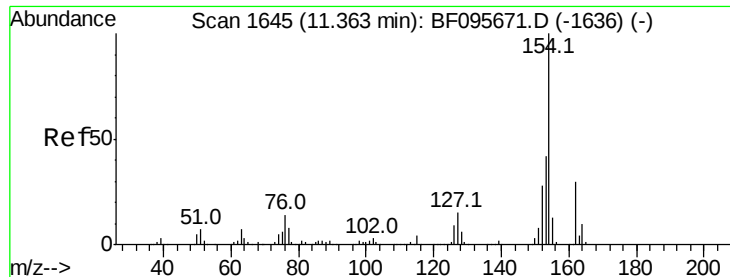
mohammad
 6/22/2017 6:02:57 PM



#44
 2-Fluorobiphenyl
 Concen: 98.34 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	765215		
171	35.4	29.6	44.4	
170	23.2	19.8	29.8	





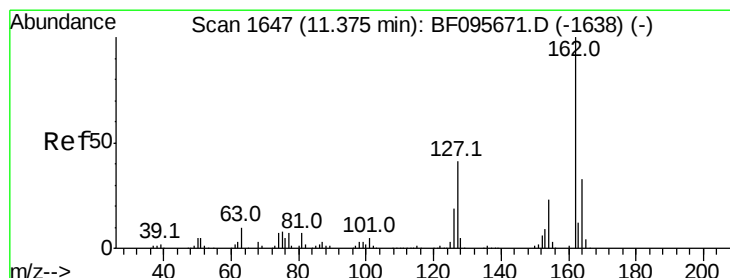
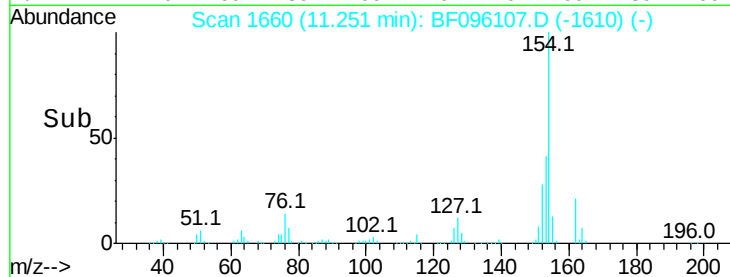
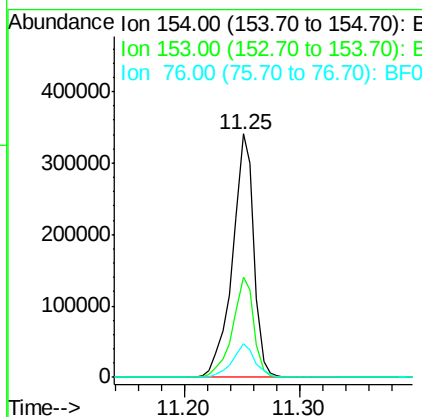
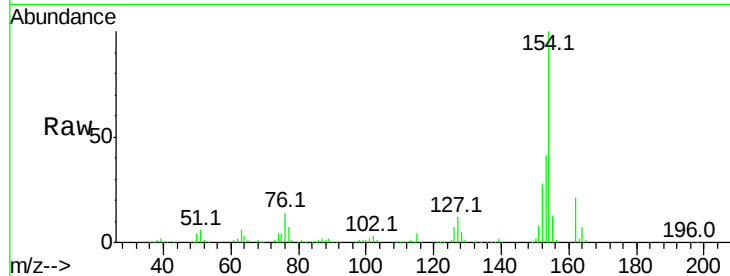
#45
 1,1'-Biphenyl
 Concen: 48.84 ng
 RT: 11.25 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.2	61.2
76	14.0	0.0	29.9

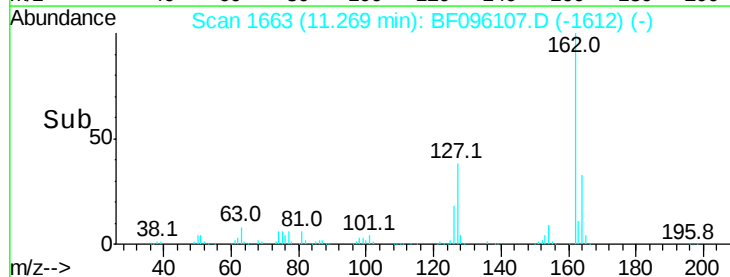
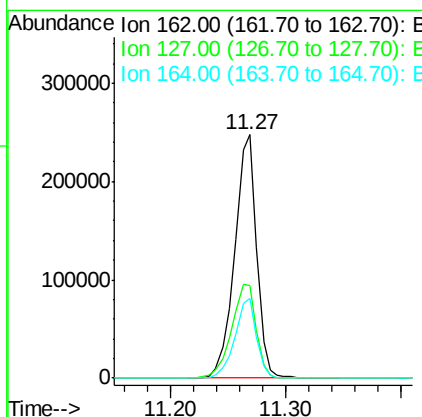
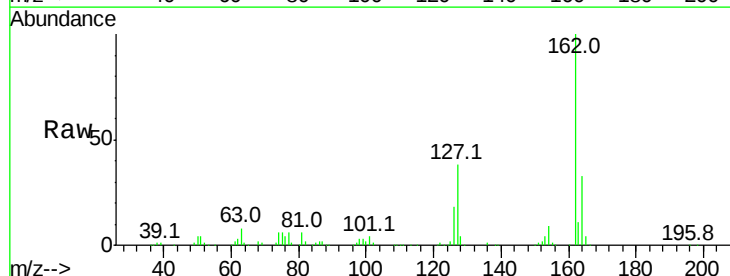
Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM



#46
 2-Chloronaphthalene
 Concen: 46.67 ng
 RT: 11.27 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.0	28.3	42.5
164	32.6	27.0	40.4





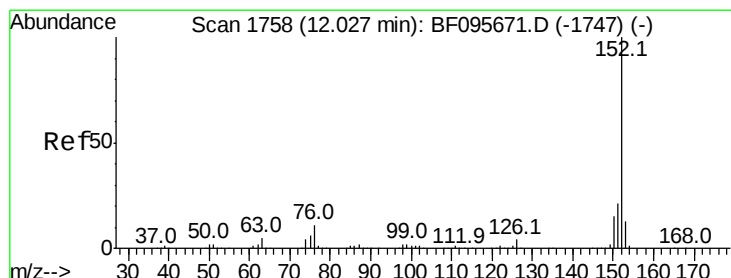
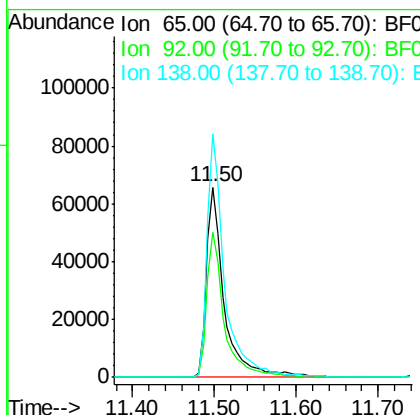
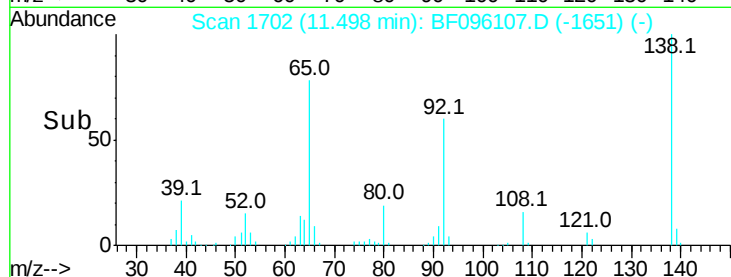
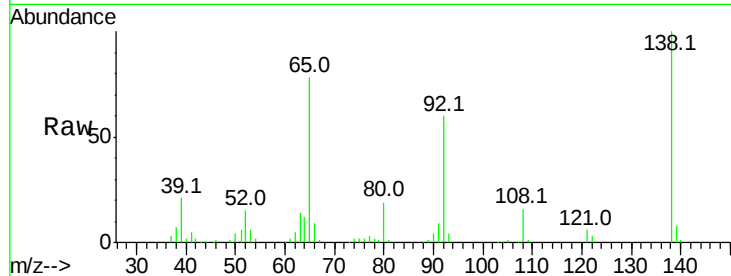
#47
 2-Nitroaniline
 Concen: 49.01 ng
 RT: 11.50 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	76.5	53.9	80.9
138	128.2	78.8	118.2

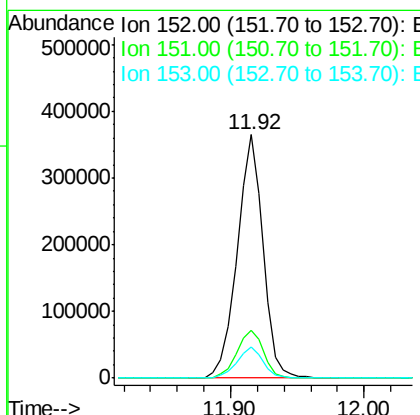
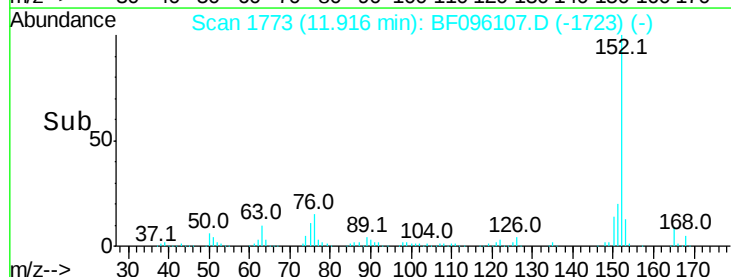
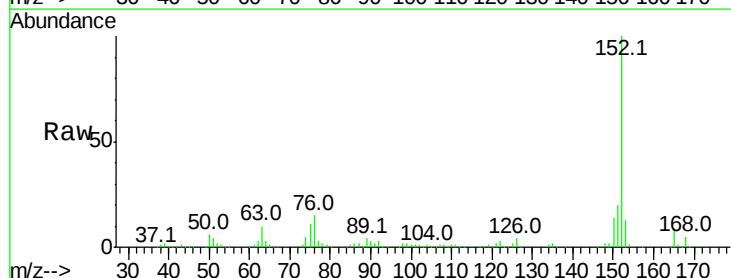
Manual Integrations
 APPROVED

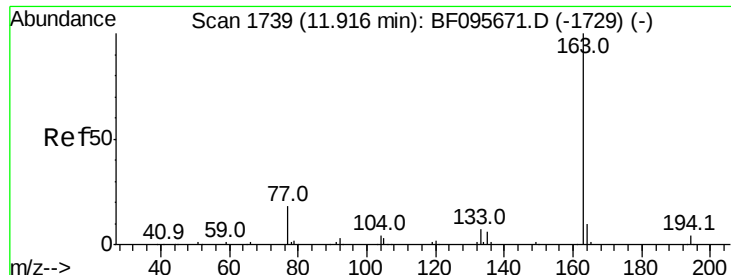
mohammad
 6/22/2017 6:02:57 PM



#48
 Acenaphthylene
 Concen: 41.05 ng
 RT: 11.92 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	13.0	10.8	16.2





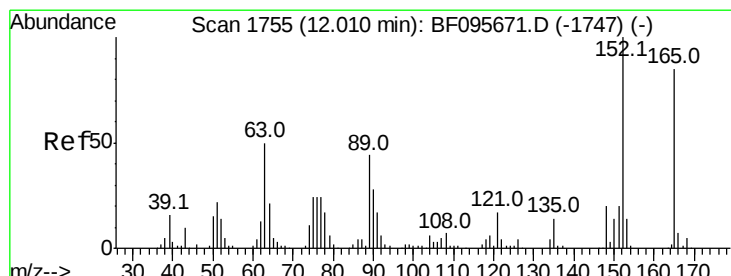
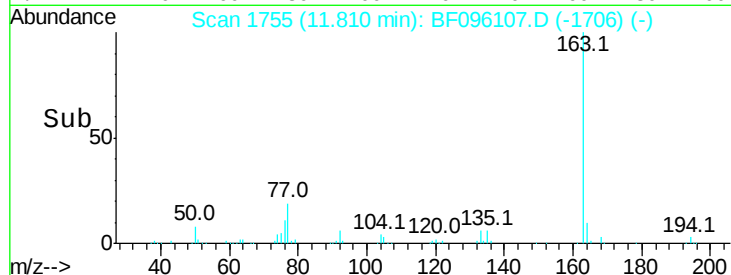
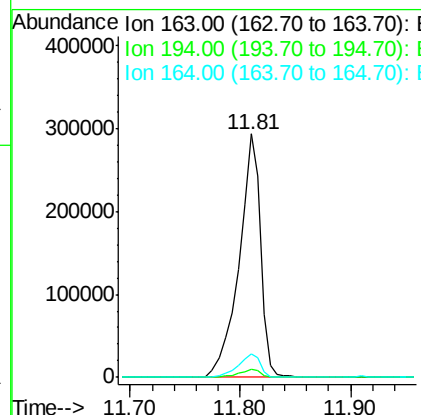
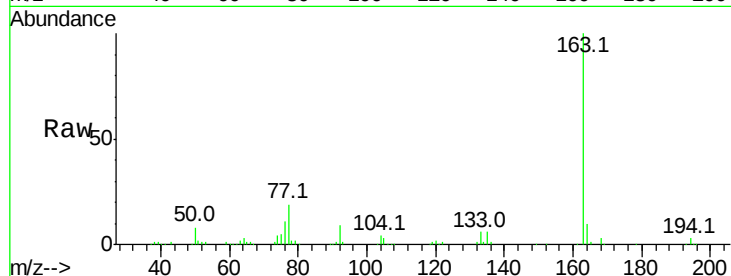
#49
Dimethylphthalate
Concen: 48.77 ng
RT: 11.81 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	9.6	8.4	12.6	

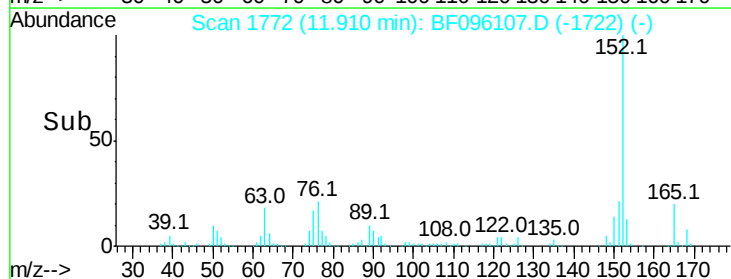
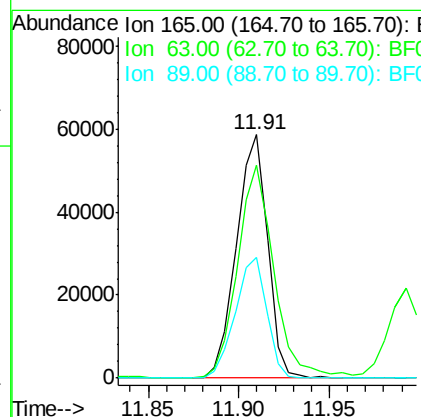
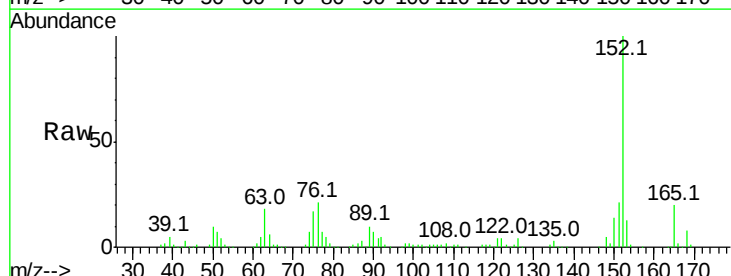
Manual Integrations
APPROVED

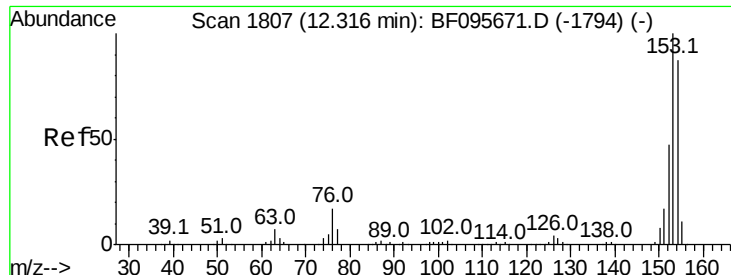
mohammad
6/22/2017 6:02:57 PM



#50
2,6-Dinitrotoluene
Concen: 38.90 ng
RT: 11.91 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	87.3	34.3	51.5#	
89	49.8	37.1	55.7	





#51

Acenaphthene

Concen: 42.42 ng

RT: 12.20 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:154 Resp: 292119

Ion Ratio Lower Upper

154 100

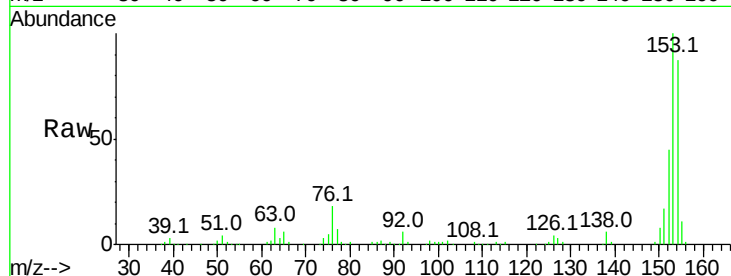
153 115.6 90.5 135.7

152 52.3 43.6 65.4

Manual Integrations
APPROVED

mohammad

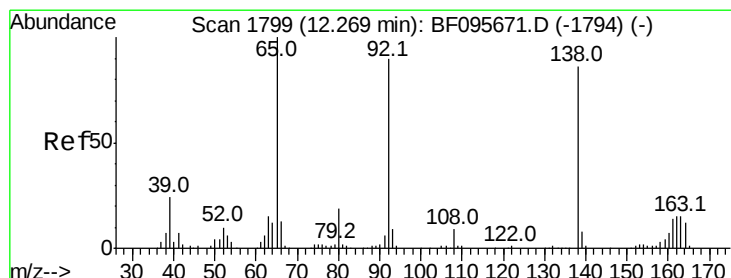
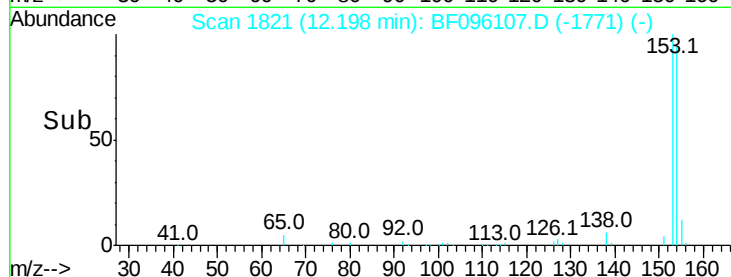
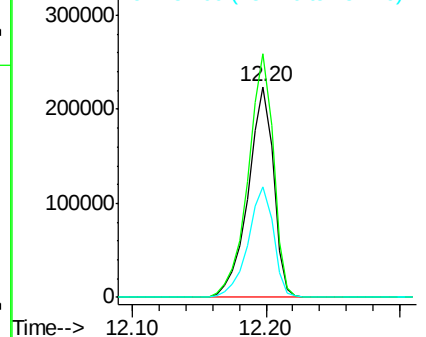
6/22/2017 6:02:57 PM



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



#52

3-Nitroaniline

Concen: 26.75 ng

RT: 12.19 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

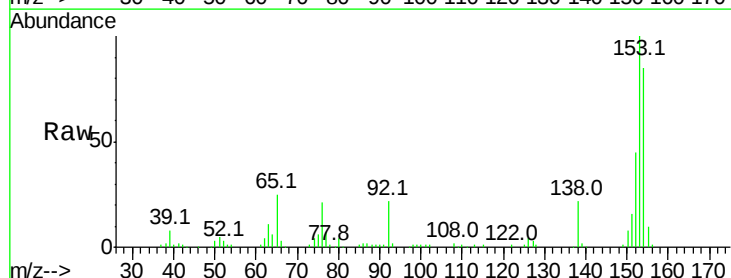
Tgt Ion:138 Resp: 55894

Ion Ratio Lower Upper

138 100

108 9.8 9.1 13.7

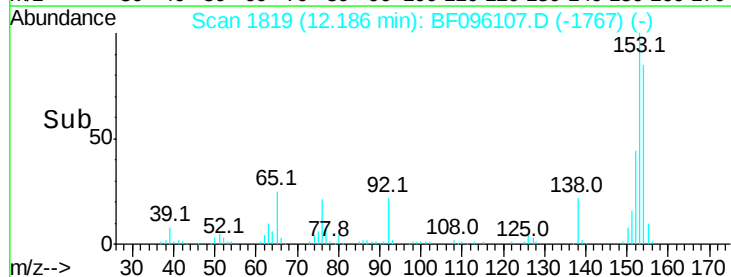
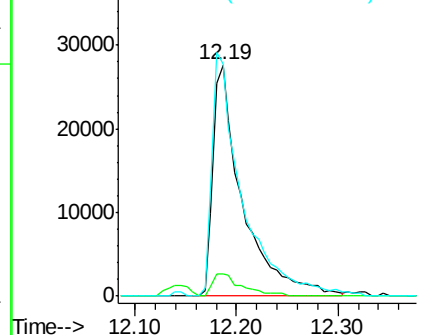
92 100.6 93.8 140.6

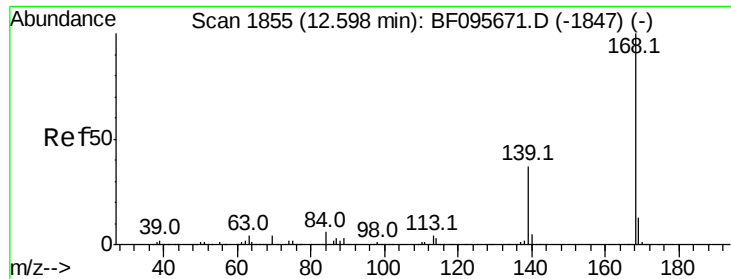


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





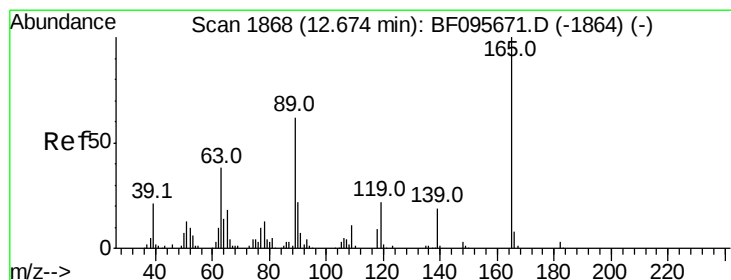
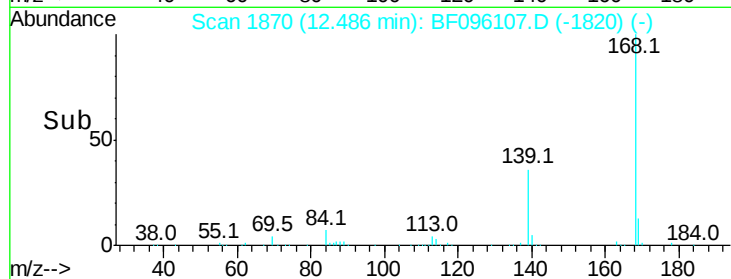
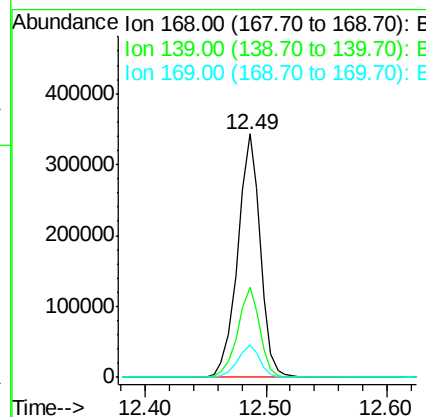
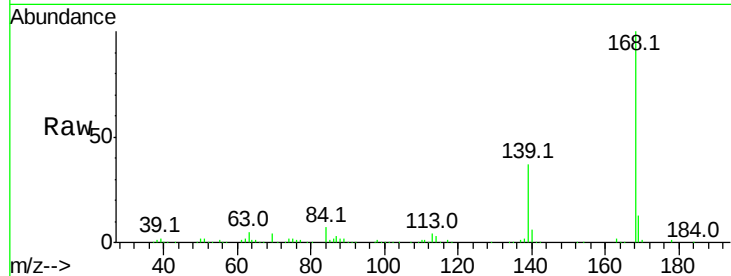
#54
Dibenzenofuran
Concen: 46.12 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.6	45.8
169	13.2	10.8	16.2

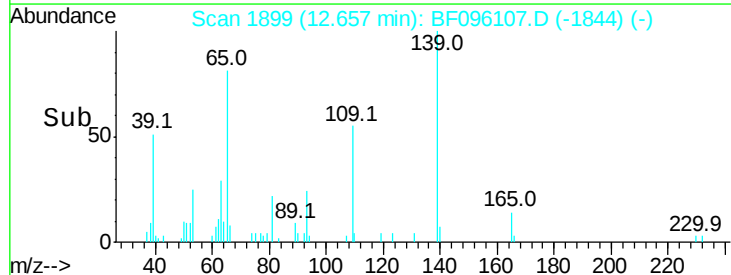
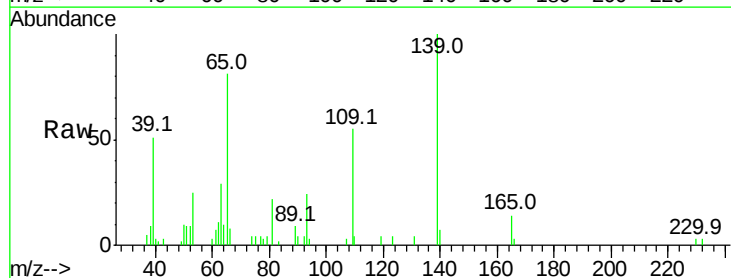
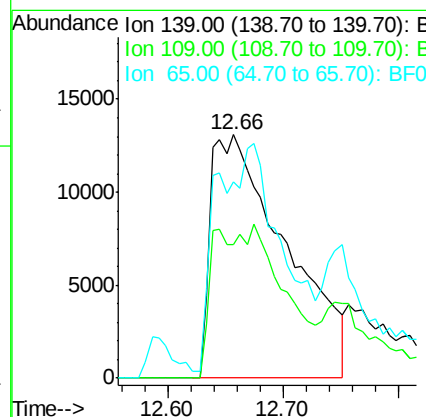
Manual Integrations
APPROVED

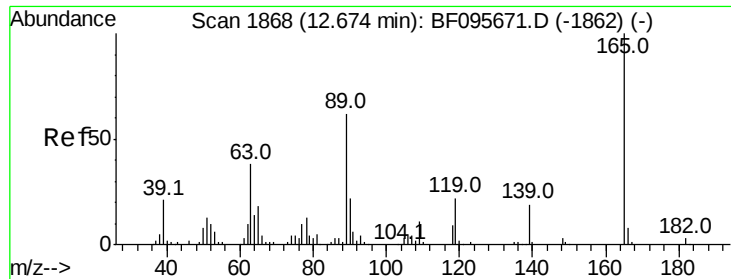
mohammad
6/22/2017 6:02:57 PM



#55
4-Nitrophenol
Concen: 50.43 ng
RT: 12.66 min Scan# 1899
Delta R.T. 0.02 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	54.9	34.1	74.1
65	80.5	31.4	71.4#





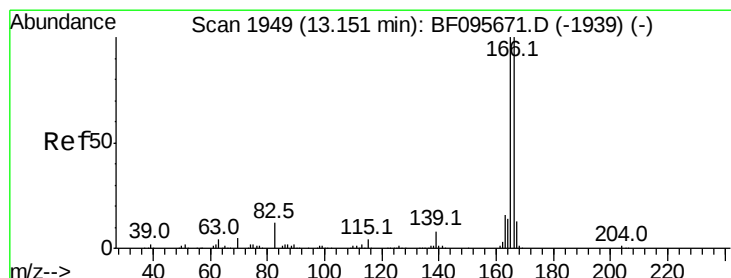
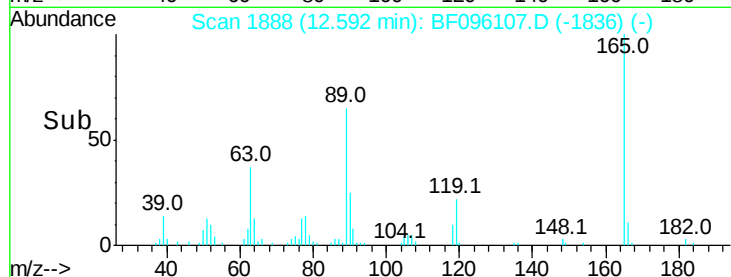
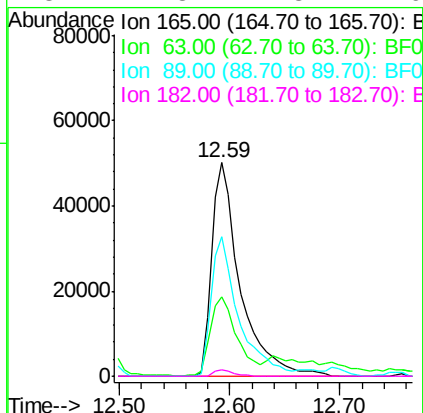
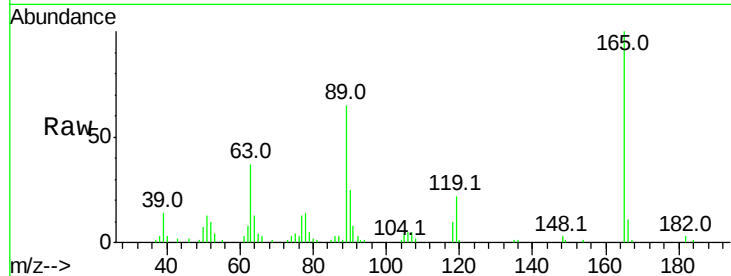
#56
2,4-Dinitrotoluene
Concen: 36.71 ng
RT: 12.59 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	37.4	25.4	38.0	
89	65.2	46.4	69.6	
182	2.8	1.8	2.6	

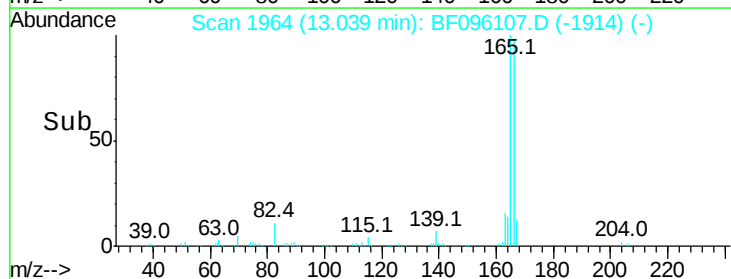
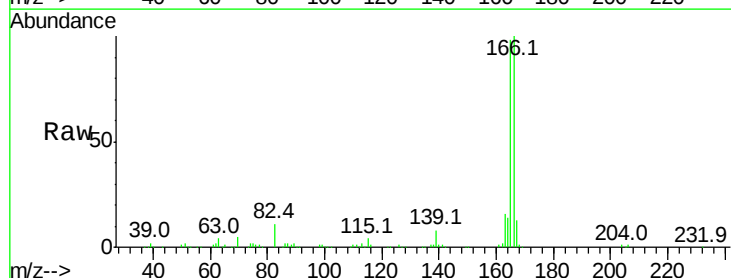
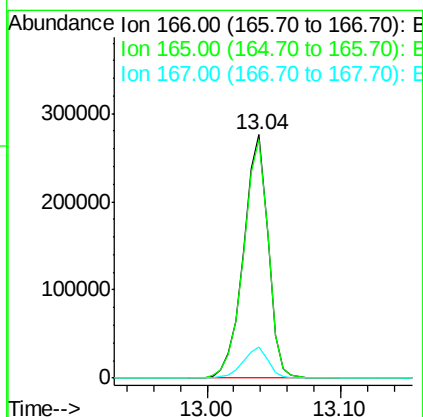
Manual Integrations
APPROVED

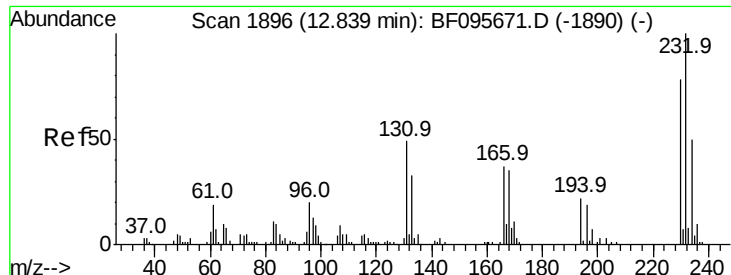
mohammad
6/22/2017 6:02:57 PM



#57
Fluorene
Concen: 41.45 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.8	78.8	118.2	
167	13.0	10.6	16.0	





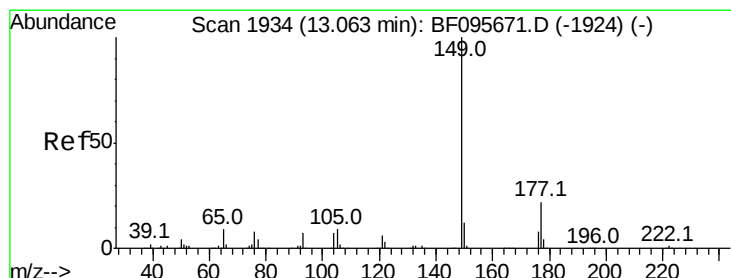
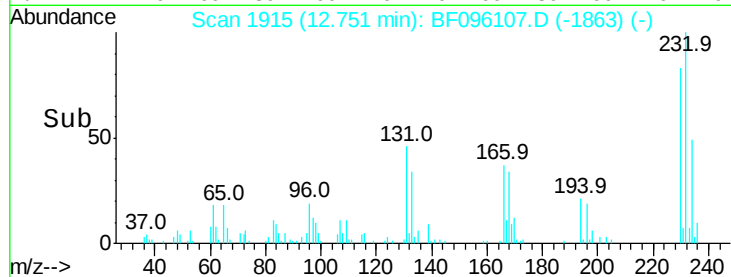
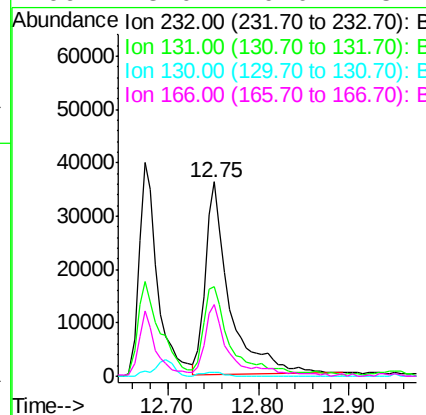
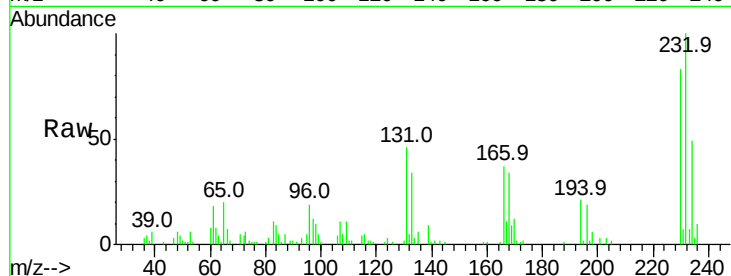
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.62 ng
 RT: 12.75 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.9	44.8	67.2
130	2.0	2.3	3.5
166	28.0	29.0	43.4

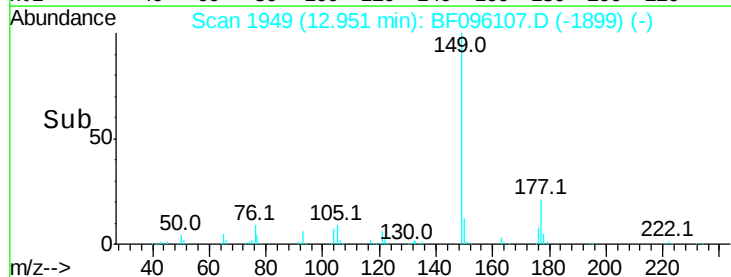
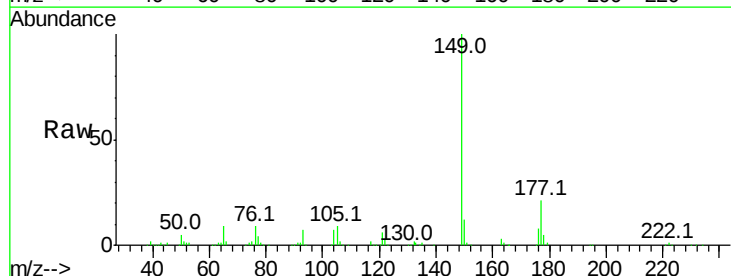
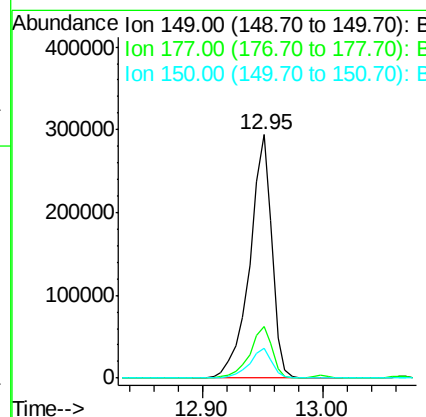
Manual Integrations
 APPROVED

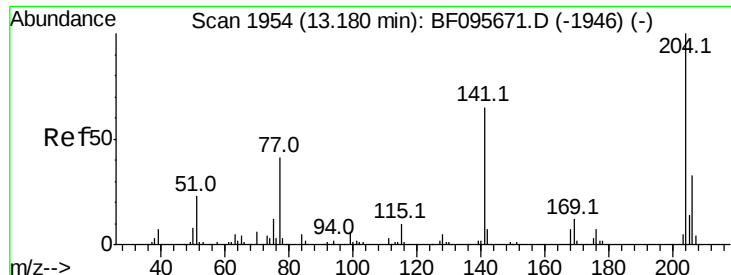
mohammad
 6/22/2017 6:02:57 PM



#59
 Diethylphthalate
 Concen: 47.51 ng
 RT: 12.95 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.1	10.2	15.2





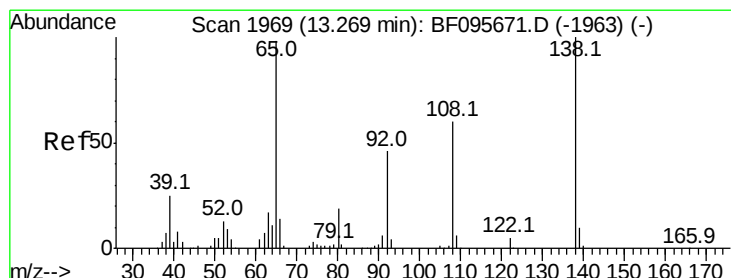
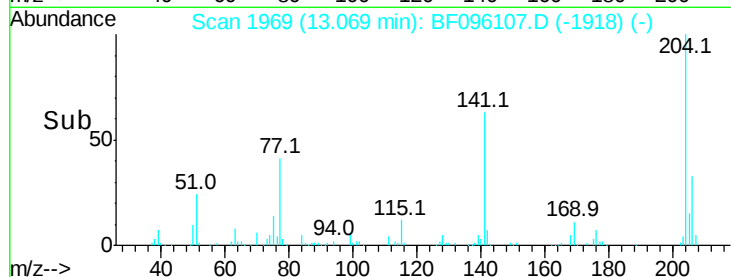
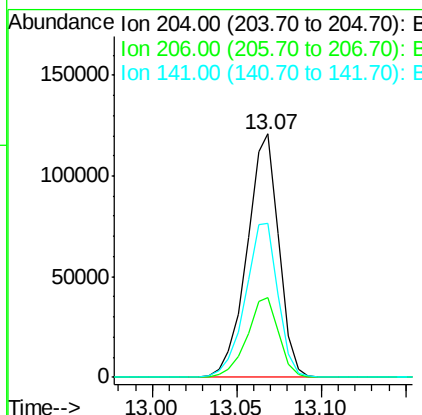
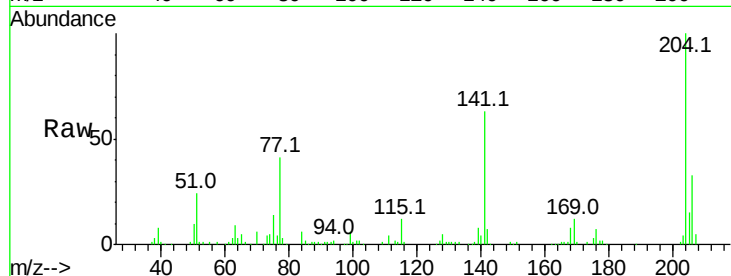
#60
4-Chlorophenyl-phenylether
Concen: 43.20 ng
RT: 13.07 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	63.1	60.8	91.2

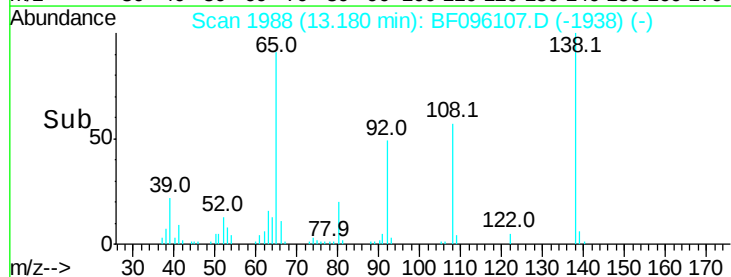
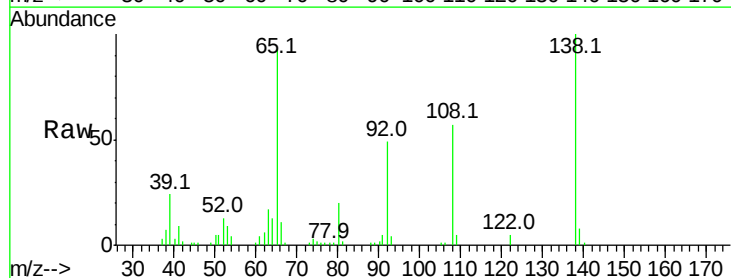
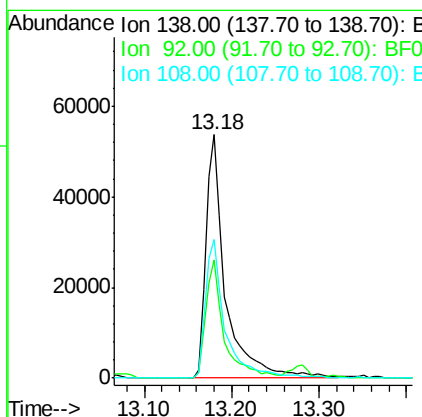
Manual Integrations
APPROVED

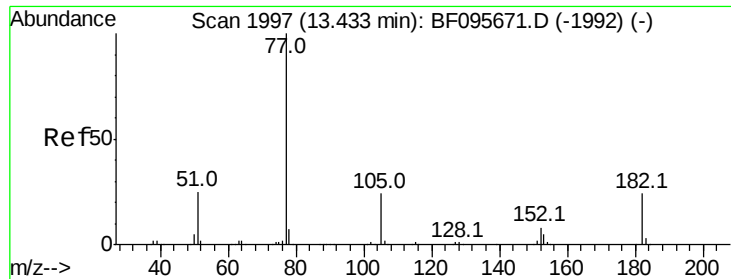
mohammad
6/22/2017 6:02:57 PM



#61
4-Nitroaniline
Concen: 42.80 ng
RT: 13.18 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.8	21.8	61.8
108	57.2	42.3	82.3





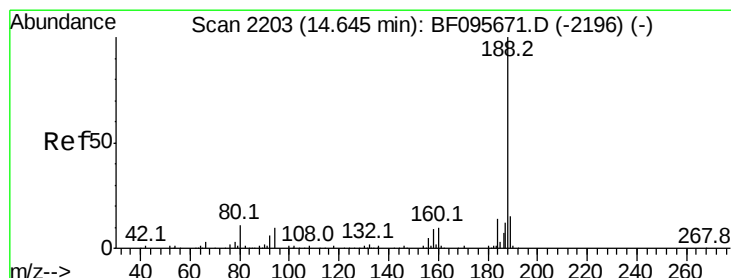
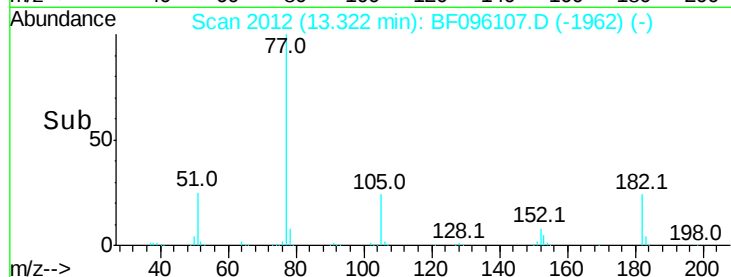
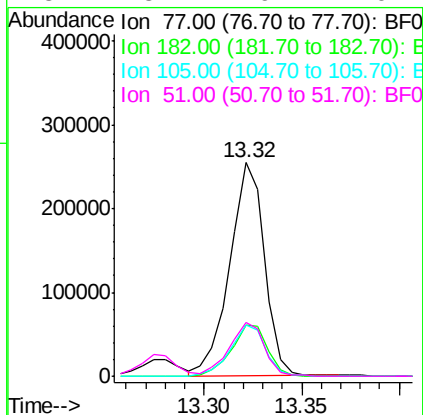
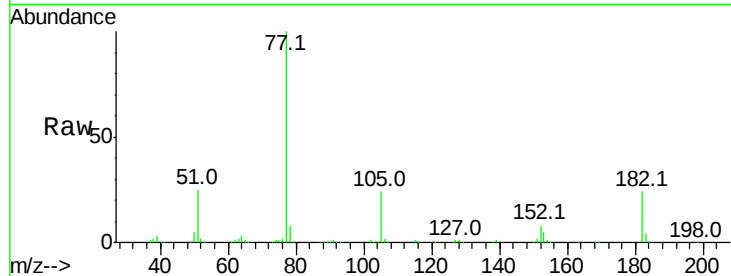
#62
Azobenzene
Concen: 43.78 ng
RT: 13.32 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	23.7	0.1	40.1	
105	24.0	3.6	43.6	
51	25.4	9.4	49.4	

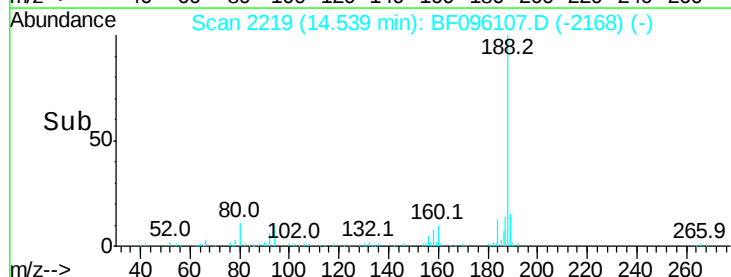
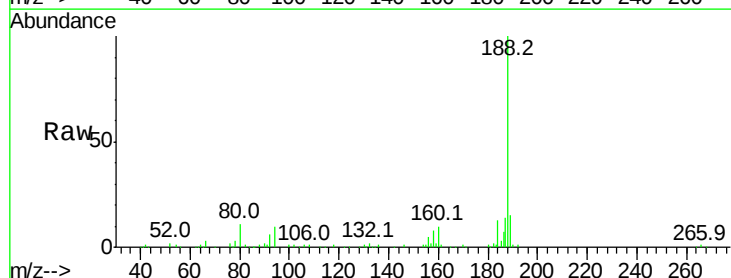
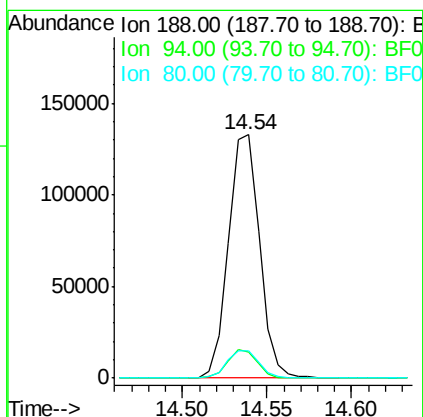
Manual Integrations
APPROVED

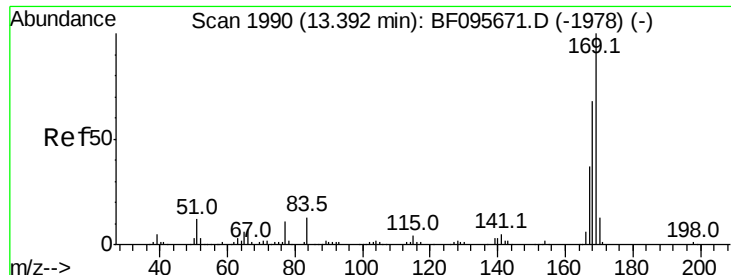
mohammad
6/22/2017 6:02:57 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	11.0	10.2	15.2	





#65

n-Nitrosodiphenylamine

Concen: 44.34 ng

RT: 13.28 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

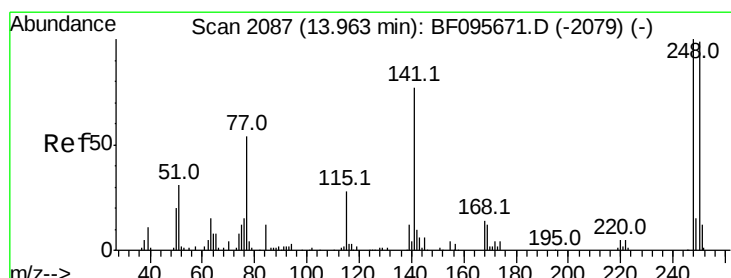
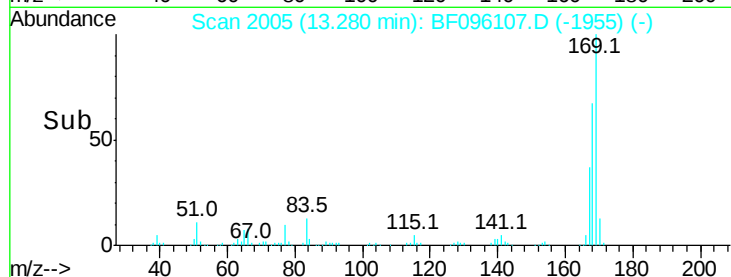
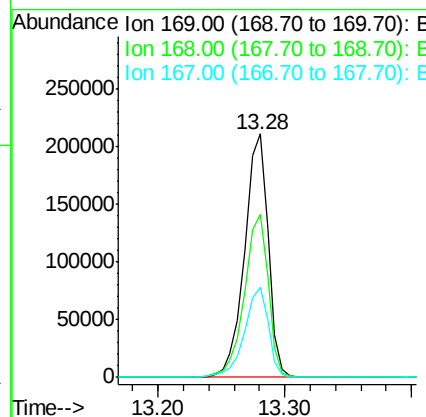
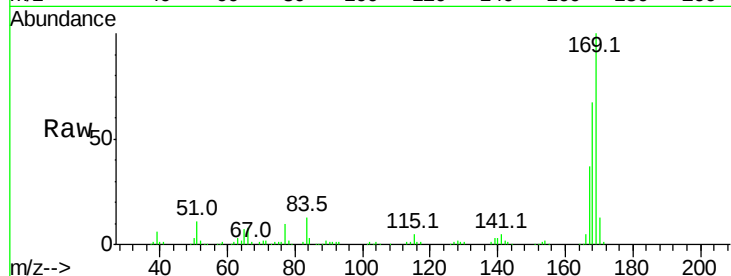
SU-02-061617MSD

Tot Ion:	169	Resp:	271109
Ion Ratio	Lower	Upper	
169	100		
168	67.0	53.2	79.8
167	36.7	29.5	44.3

Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



#66

4-Bromophenyl-phenylether

Concen: 48.79 ng

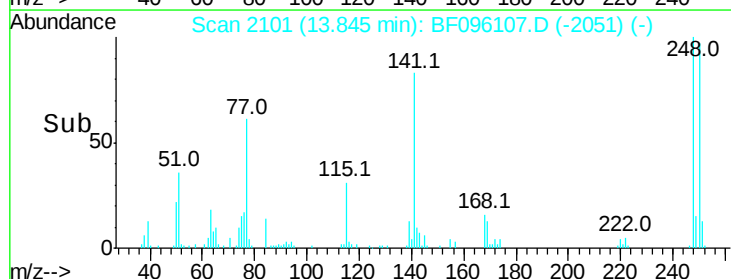
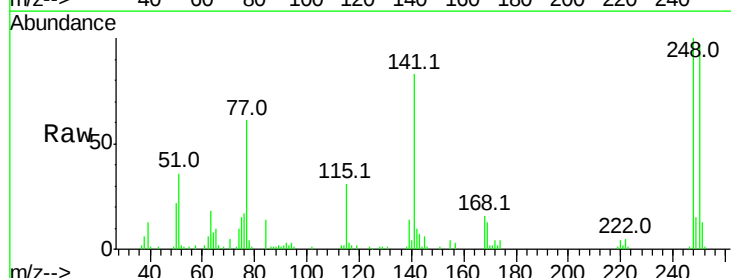
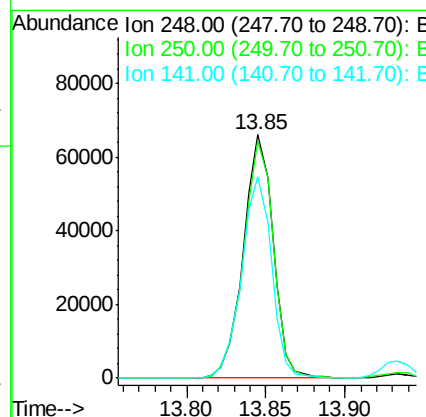
RT: 13.85 min Scan# 2101

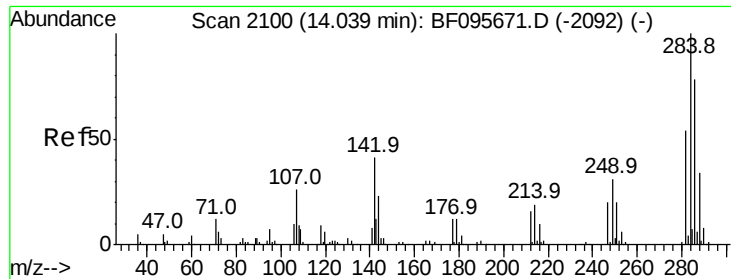
Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Tgt Ion:	248	Resp:	86270
Ion Ratio	Lower	Upper	
248	100		
250	97.2	76.8	115.2
141	82.9	68.6	103.0





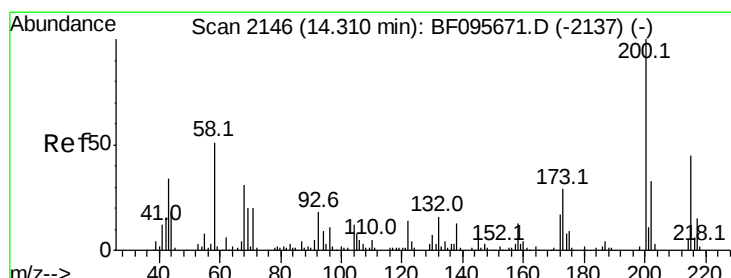
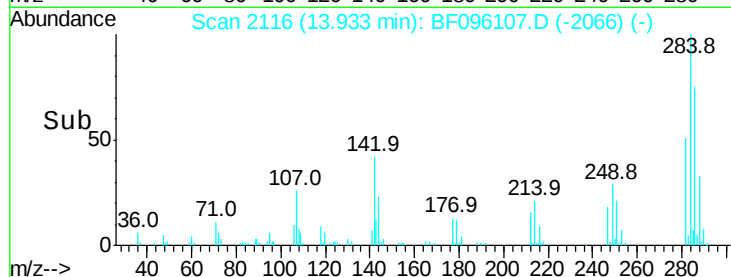
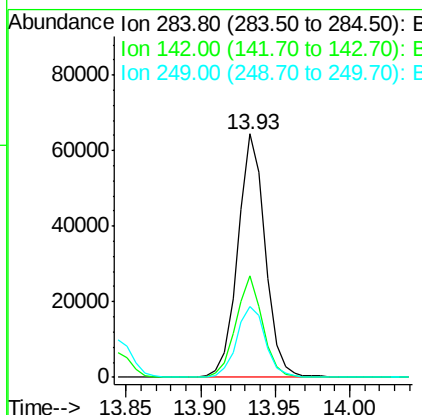
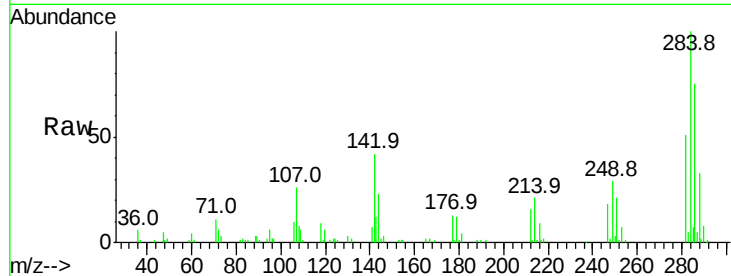
#67
Hexachlorobenzene
Concen: 47.19 ng
RT: 13.93 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	41.7	22.8	34.2	
249	29.1	24.0	36.0	

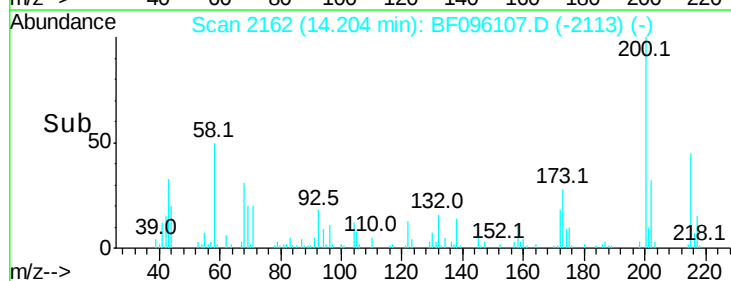
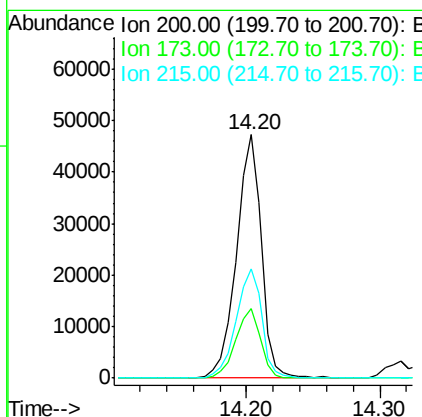
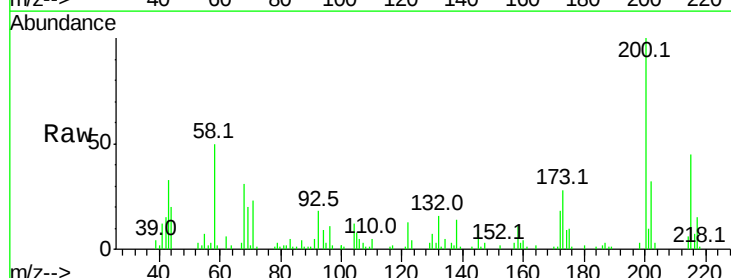
Manual Integrations
APPROVED

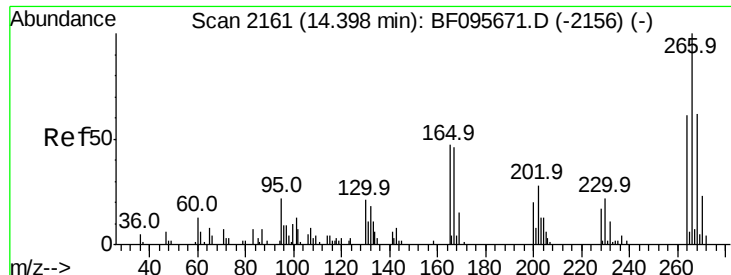
mohammad
6/22/2017 6:02:57 PM



#68
Atrazine
Concen: 35.94 ng
RT: 14.20 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.5	6.3	46.3	
215	44.6	27.2	67.2	





#69

Pentachlorophenol

Concen: 63.76 ng

RT: 14.31 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

SU-02-061617MSD

Tot Ion:266 Resp: 41165

Ion Ratio Lower Upper

266 100

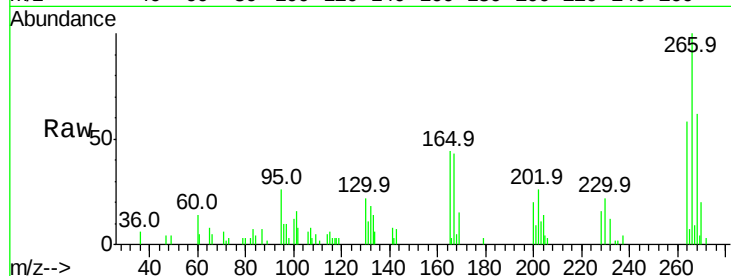
268 61.8 51.1 76.7

264 58.2 51.7 77.5

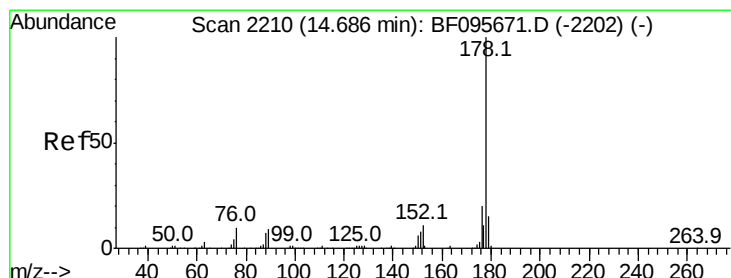
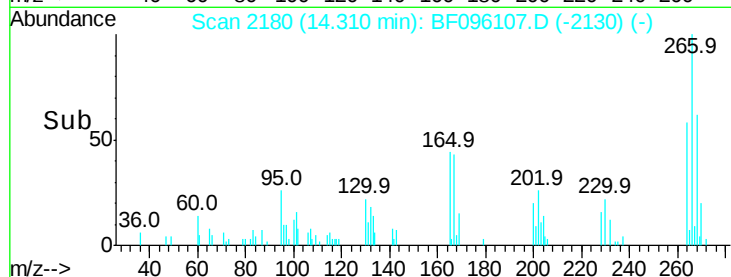
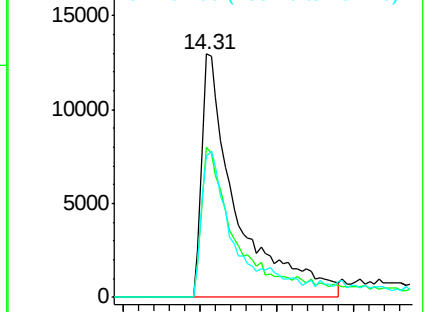
Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



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



#70

Phenanthrene

Concen: 47.52 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

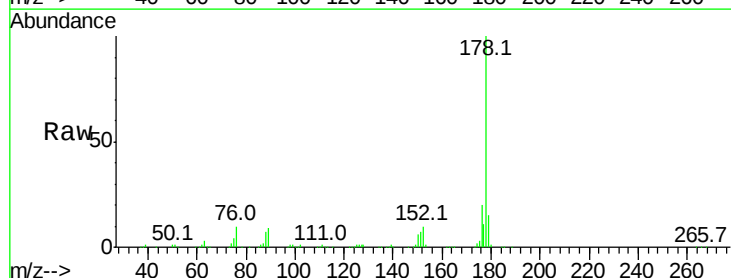
Tgt Ion:178 Resp: 466506

Ion Ratio Lower Upper

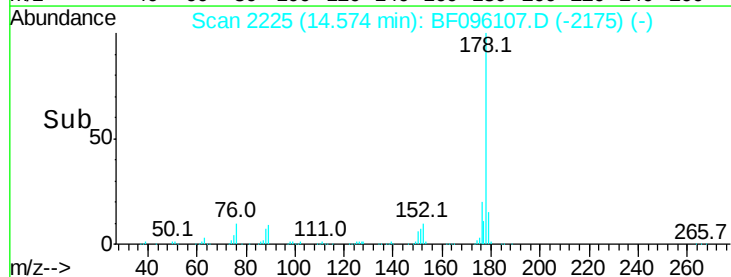
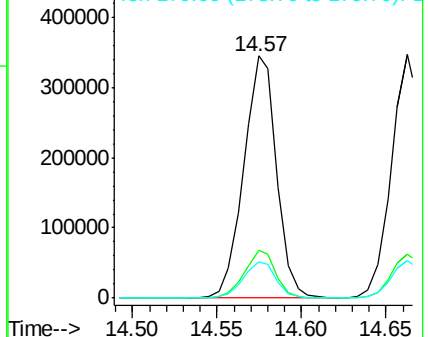
178 100

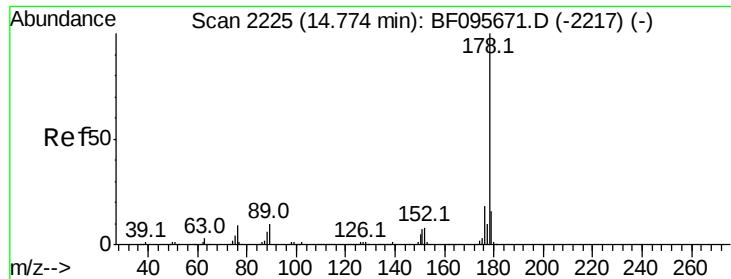
176 19.8 16.2 24.4

179 15.0 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





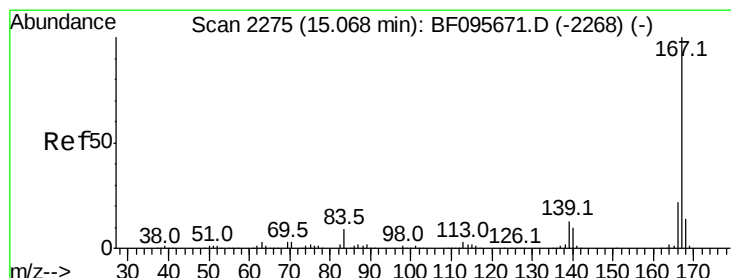
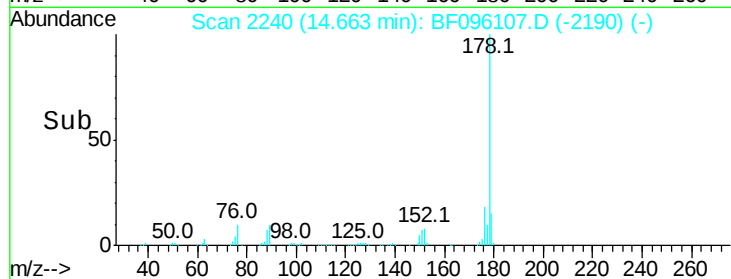
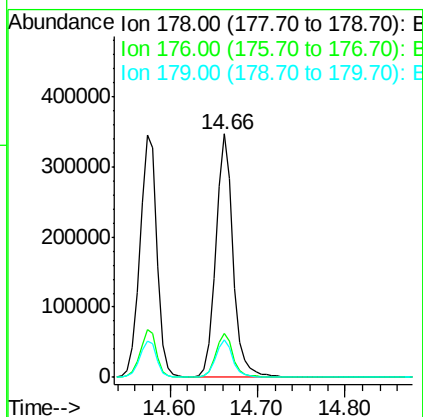
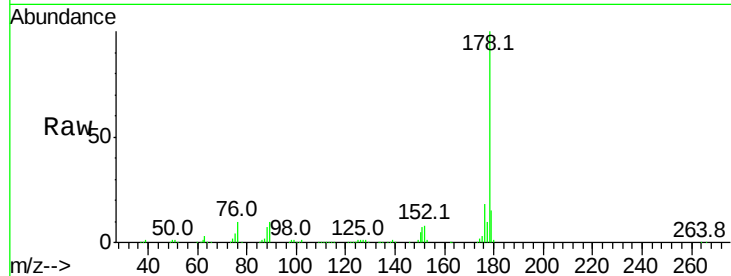
#71
 Anthracene
 Concen: 46.40 ng
 RT: 14.66 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.2	12.7	19.1

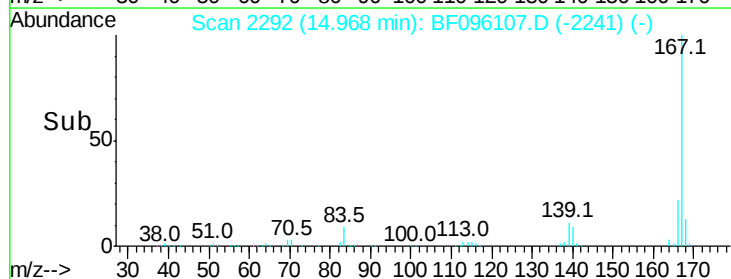
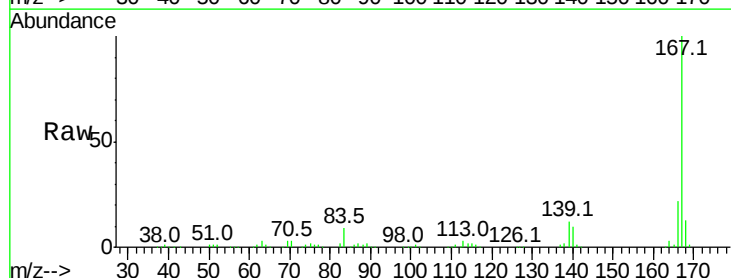
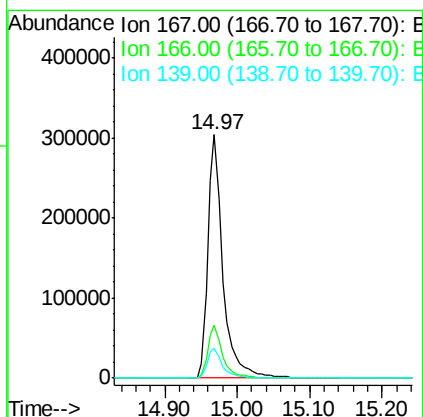
Manual Integrations
 APPROVED

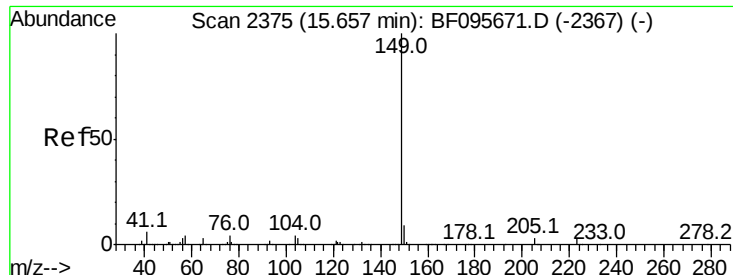
mohammad
 6/22/2017 6:02:57 PM



#72
 Carbazole
 Concen: 43.81 ng
 RT: 14.97 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	12.2	11.7	17.5





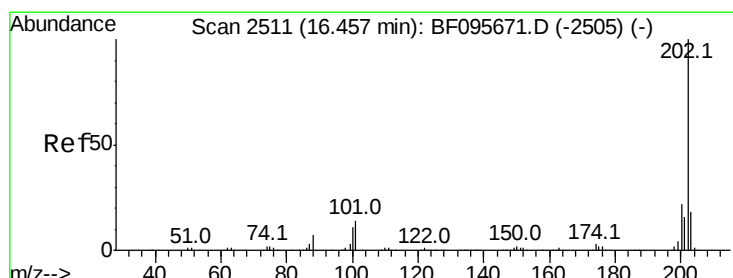
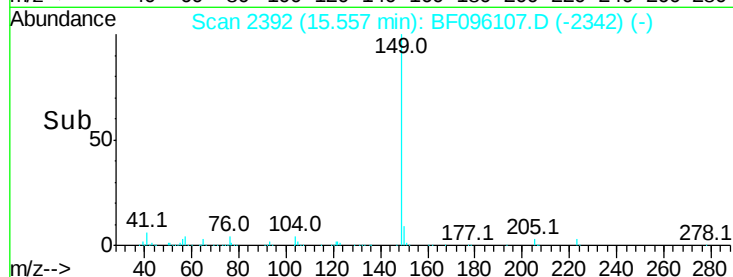
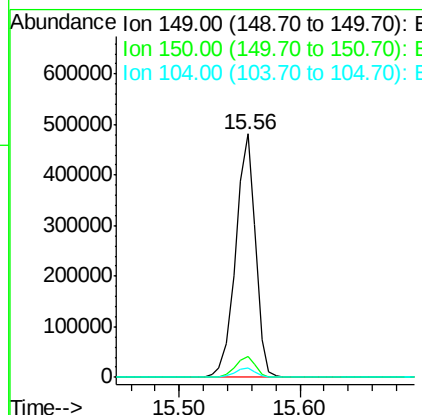
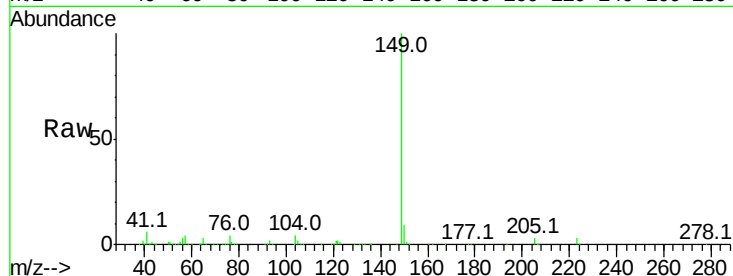
#73
Di-n-butylphthalate
Concen: 51.69 ng
RT: 15.56 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	8.8	7.7	11.5
104	4.1	4.0	6.0

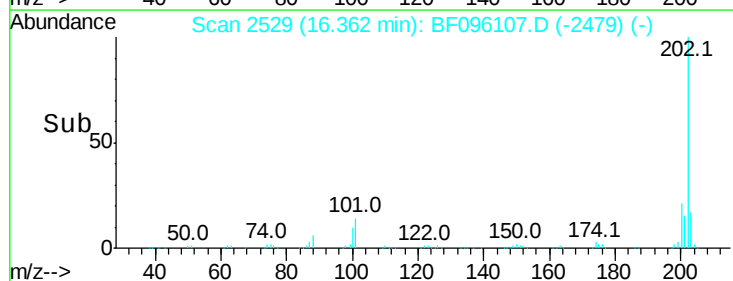
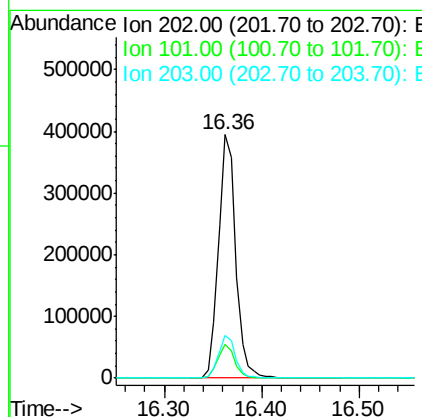
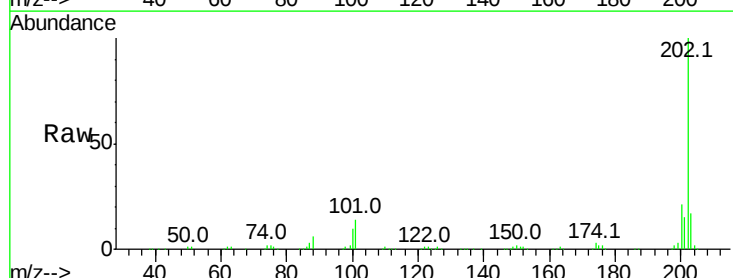
Manual Integrations
APPROVED

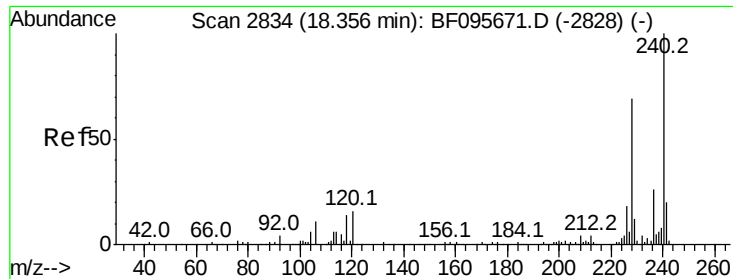
mohammad
6/22/2017 6:02:57 PM



#74
Fluoranthene
Concen: 49.82 ng
RT: 16.36 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.5	0.0	38.1





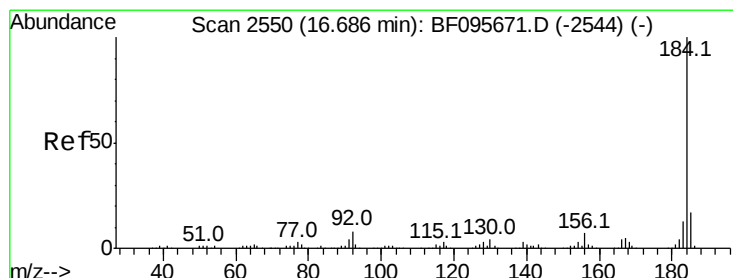
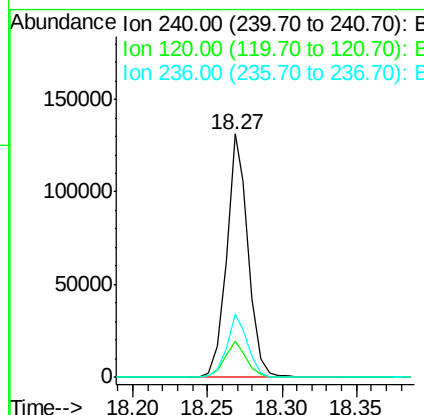
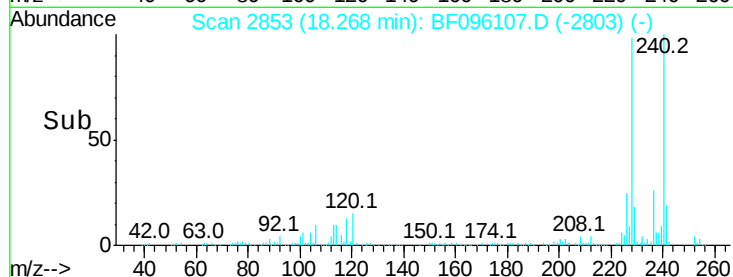
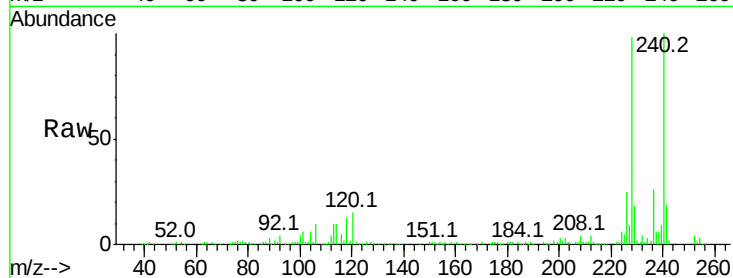
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.7	20.5	30.7

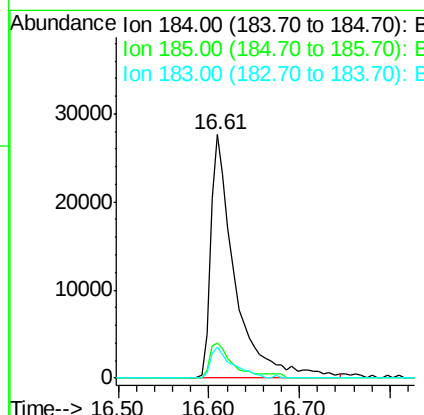
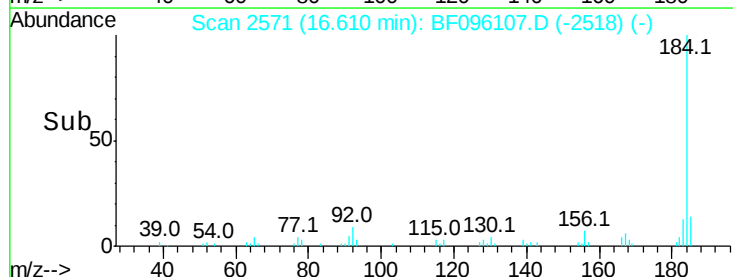
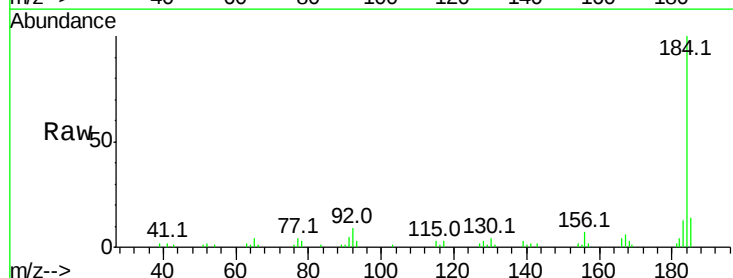
Manual Integrations
APPROVED

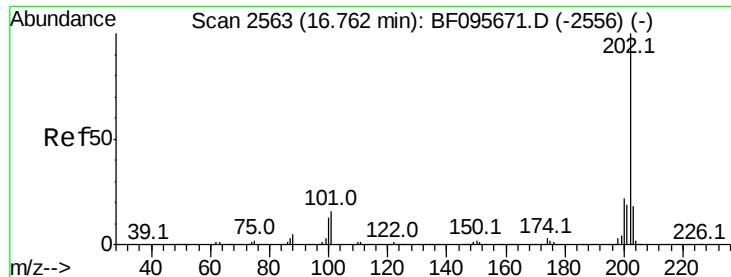
mohammad
6/22/2017 6:02:57 PM



#76
Benzidine
Concen: 10.06 ng
RT: 16.61 min Scan# 2571
Delta R.T. 0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.2	15.5	23.3#
183	12.8	9.8	14.6





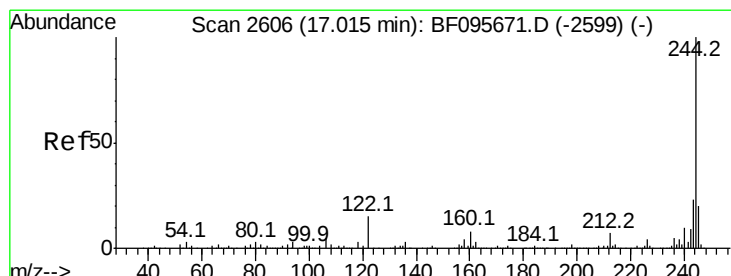
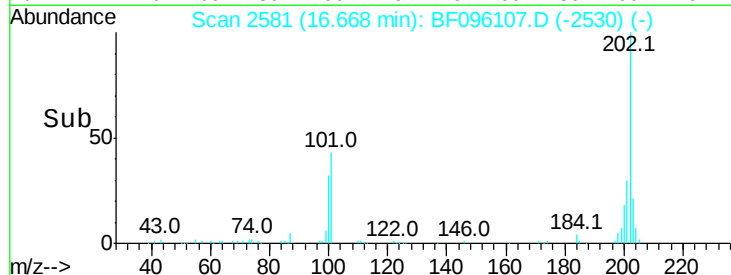
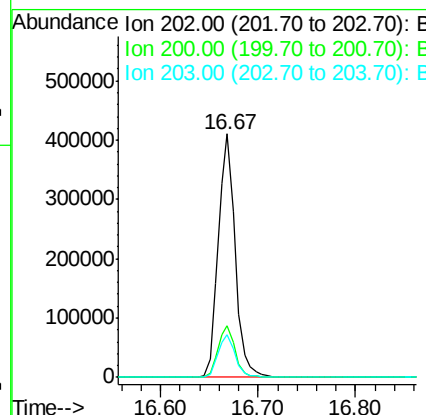
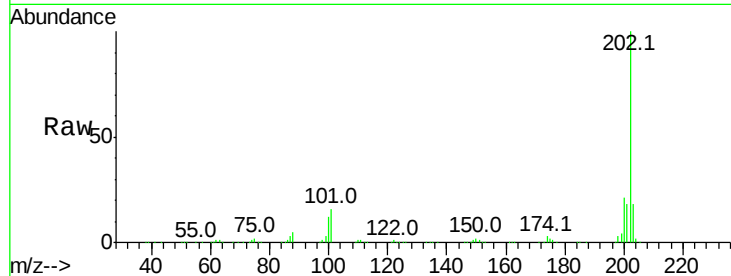
#77
Pvrene
Concen: 49.70 ng
RT: 16.67 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3		17.6	26.4
203	17.5		14.4	21.6

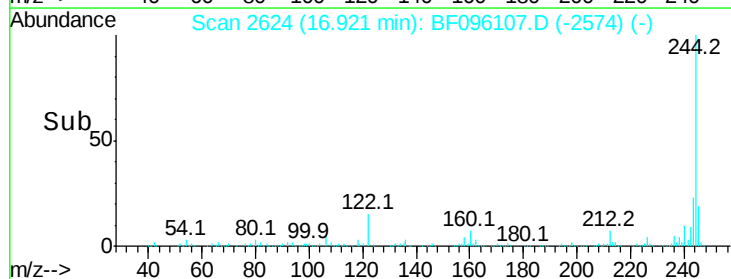
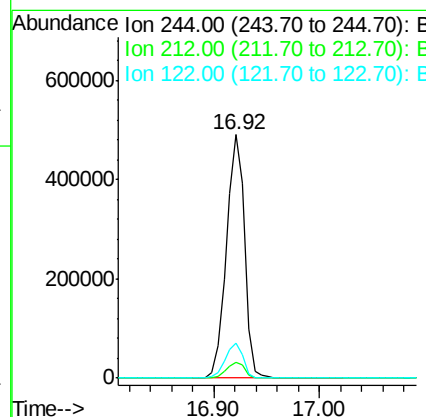
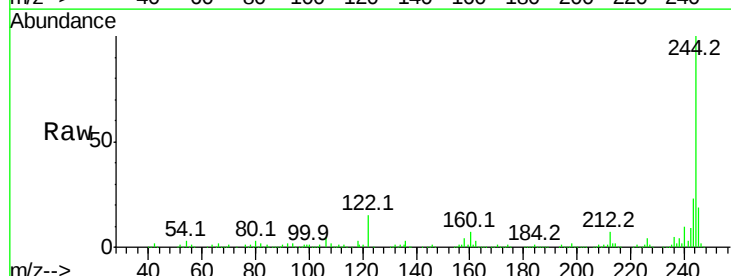
Manual Integrations
APPROVED

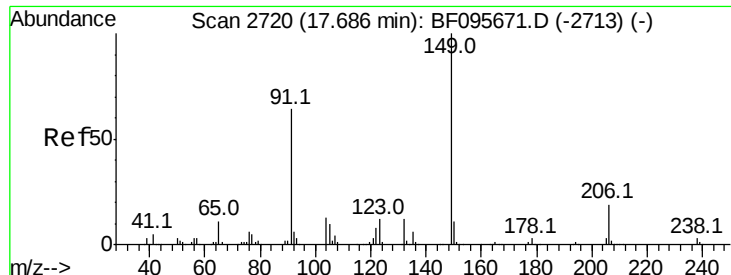
mohammad
6/22/2017 6:02:57 PM



#78
Terphenyl-d14
Concen: 109.08 ng
RT: 16.92 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7		6.0	9.0
122	14.5		10.3	15.5





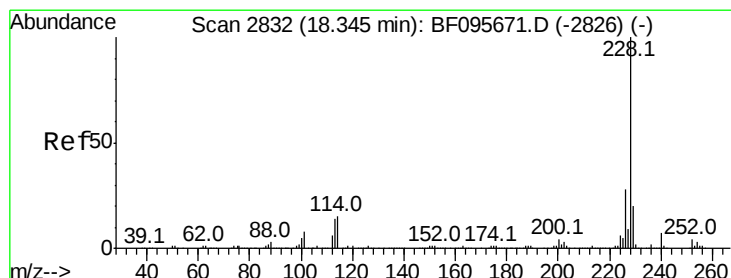
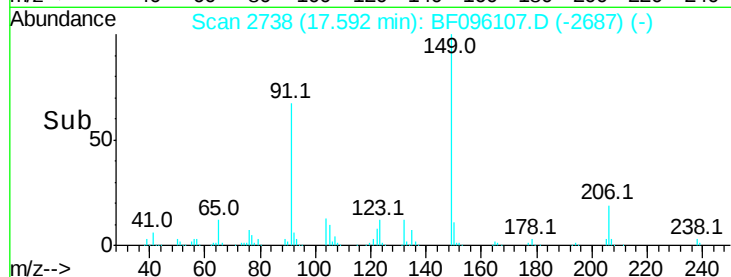
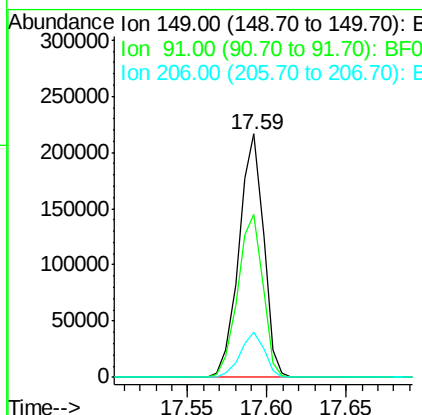
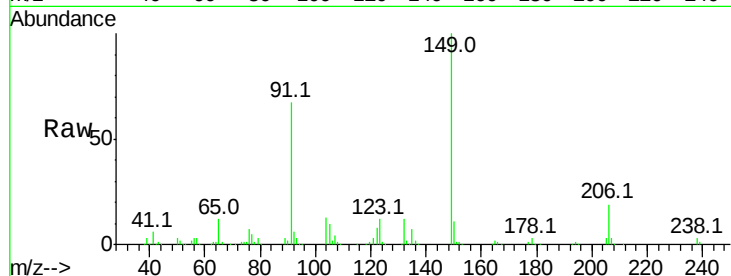
#79
Butylbenzylphthalate
Concen: 53.60 ng
RT: 17.59 min Scan# 2738
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	232531		
91	66.9	45.0	67.4	
206	18.6	17.0	25.6	

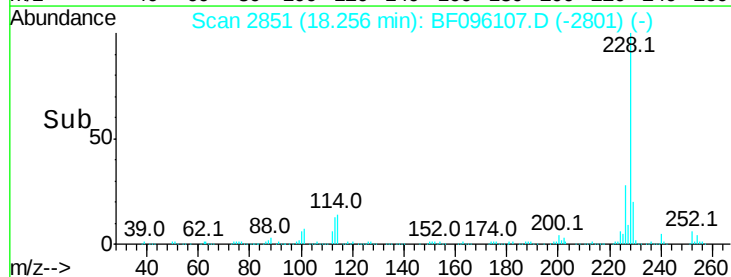
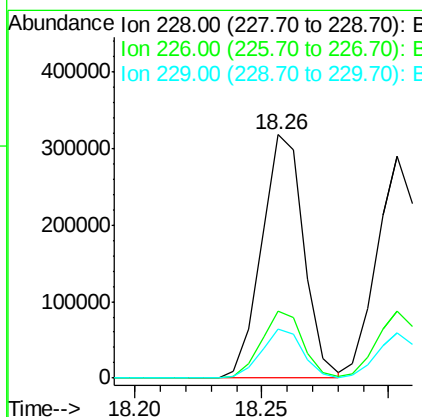
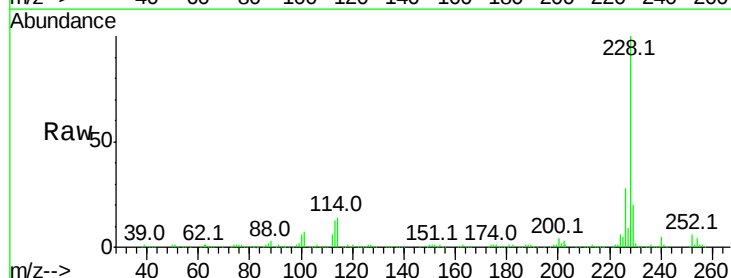
Manual Integrations
APPROVED

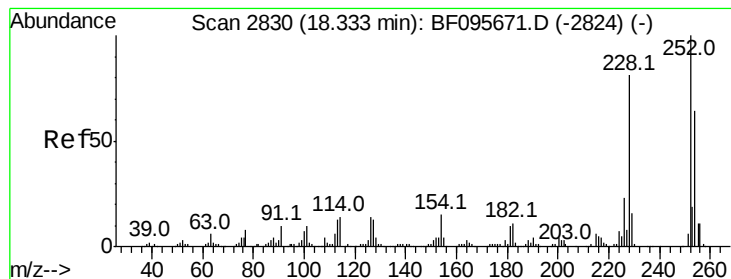
mohammad
6/22/2017 6:02:57 PM



#80
Benzo(a)anthracene
Concen: 47.77 ng
RT: 18.26 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	369731		
226	27.6	22.6	33.8	
229	20.2	16.3	24.5	





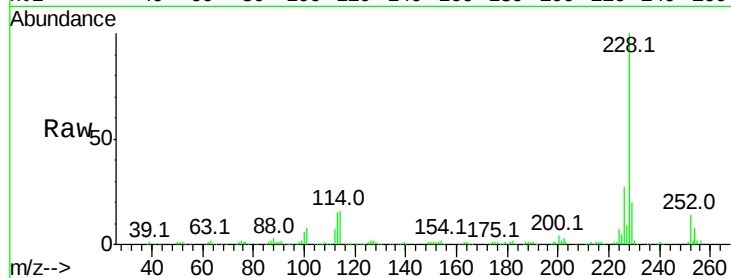
#81
 3,3'-Dichlorobenzidine
 Concen: 12.29 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

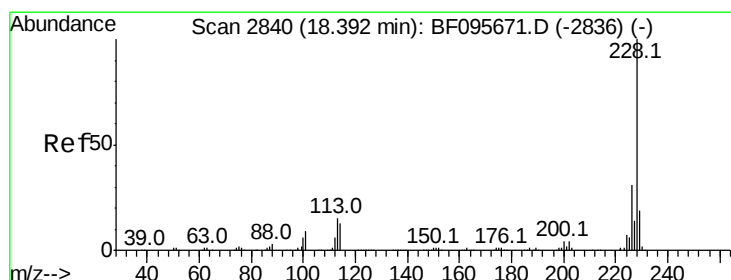
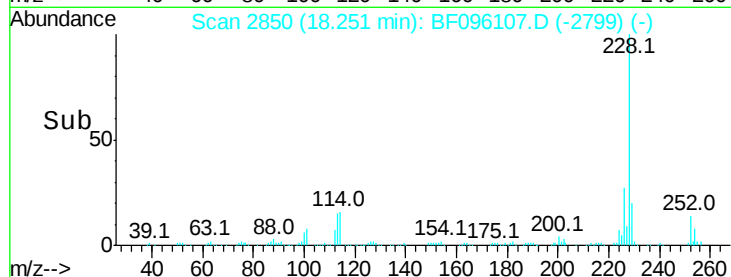
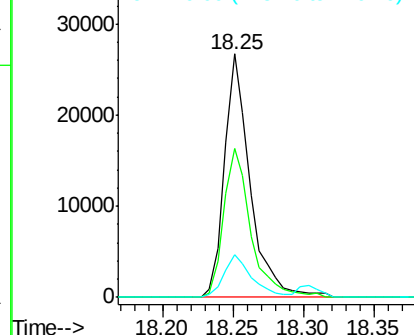
Tot Ion	Ratio	Lower	Upper
252	100		
254	61.4	51.5	77.3
126	17.5	15.8	23.8

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM



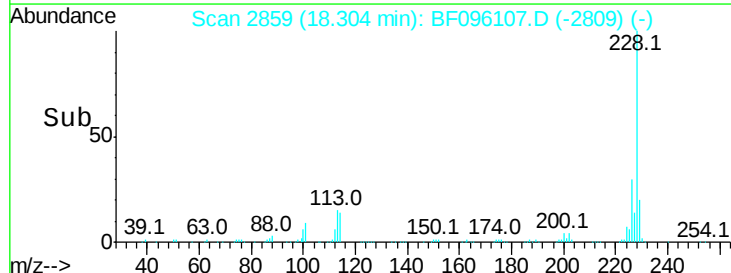
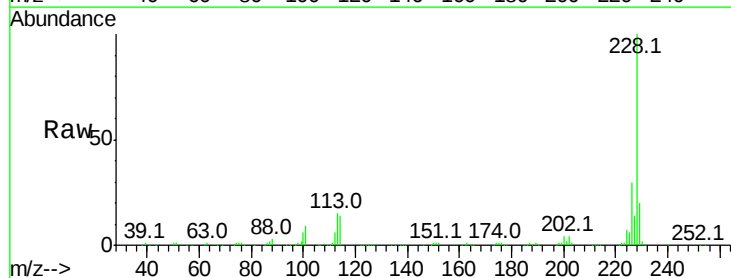
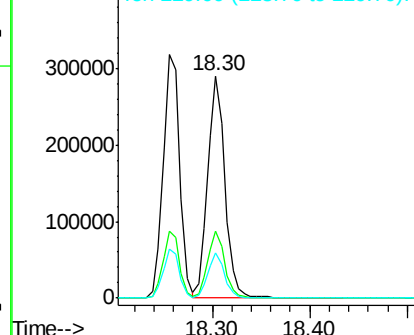
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

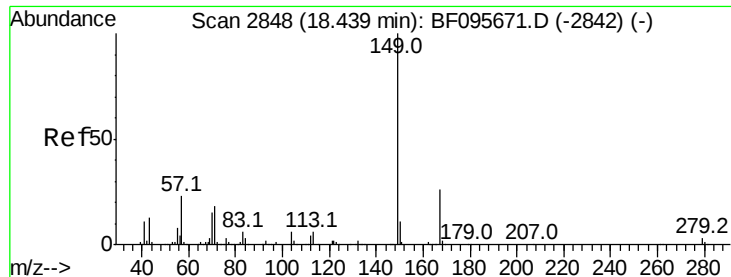


#82
 Chrysene
 Concen: 46.09 ng
 RT: 18.30 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	20.2	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





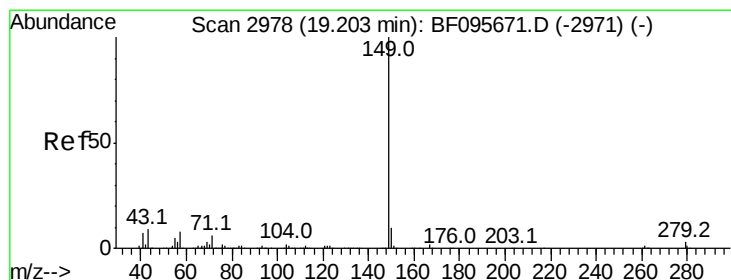
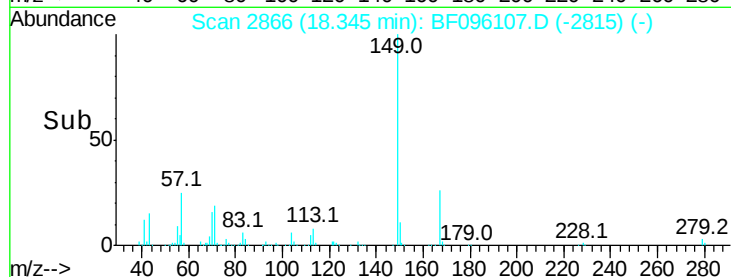
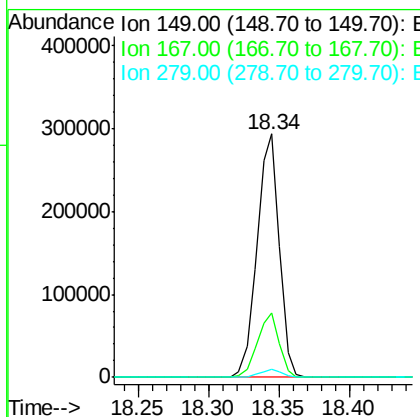
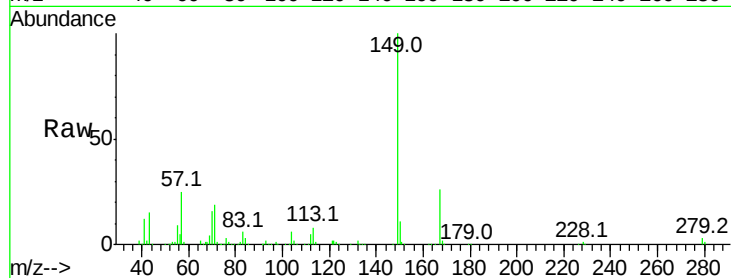
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.31 ng
 RT: 18.34 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	26.4	21.0	31.4
279	3.3	1.9	2.9#

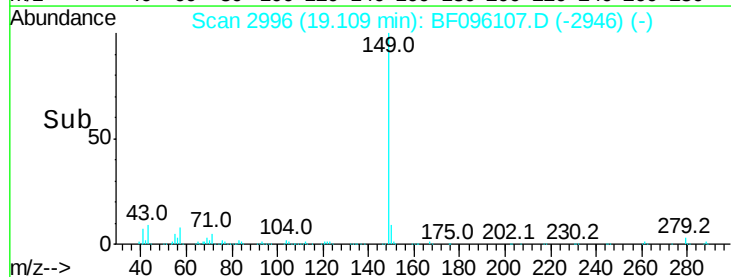
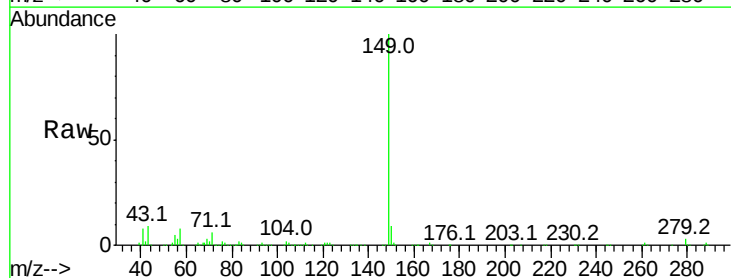
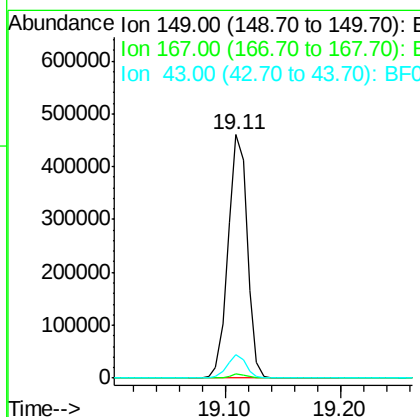
Manual Integrations
 APPROVED

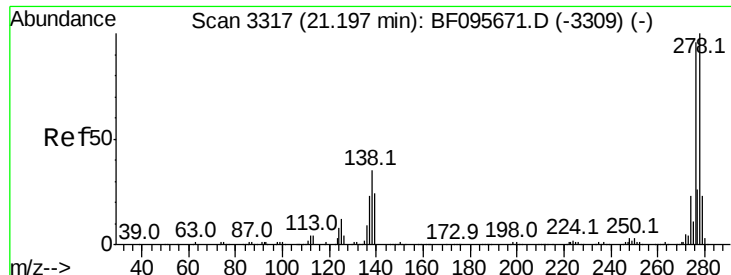
mohammad
 6/22/2017 6:02:57 PM



#84
 Di-n-octyl phthalate
 Concen: 52.38 ng
 RT: 19.11 min Scan# 2996
 Delta R.T. -0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

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





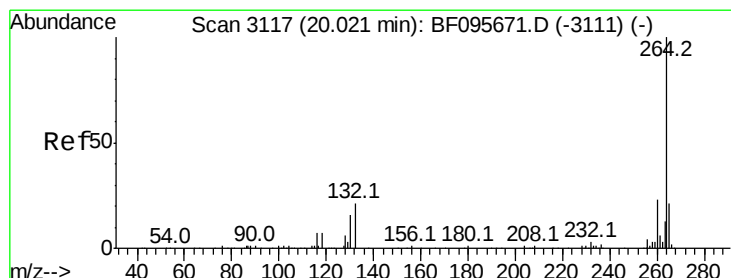
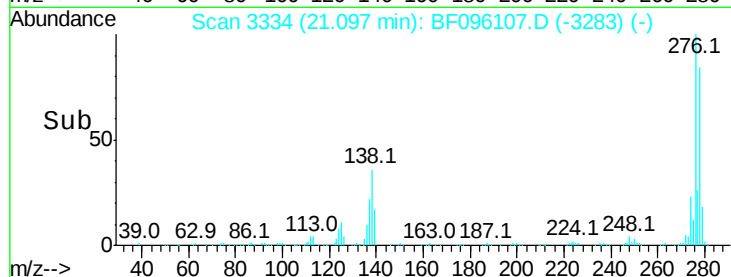
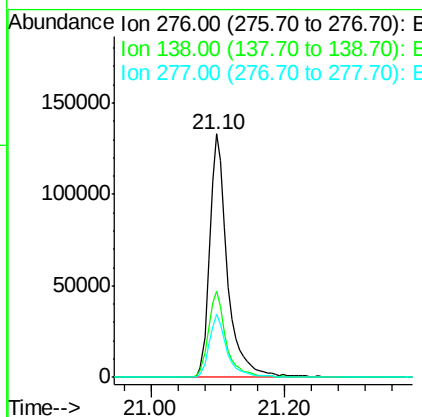
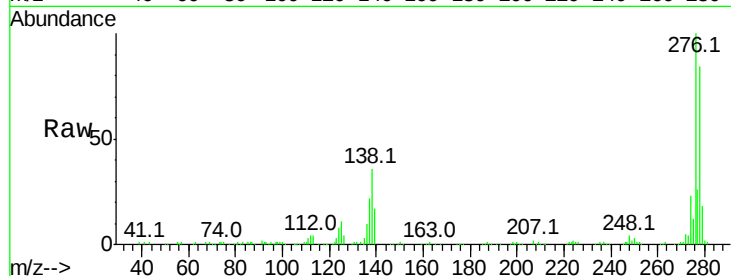
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.59 ng
 RT: 21.10 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	248790		
138	35.1		27.8	41.6
277	25.9		20.2	30.4

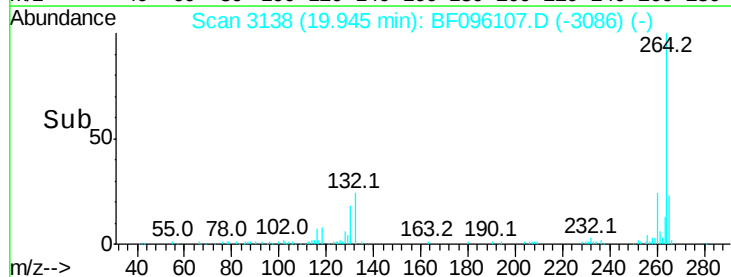
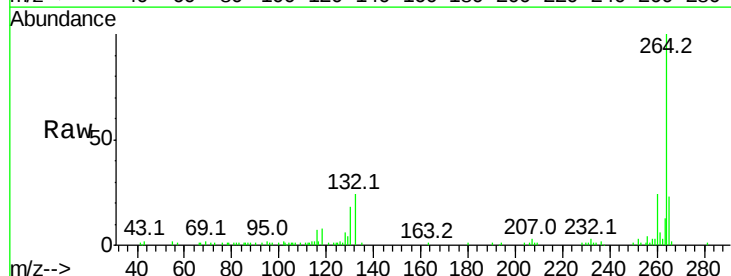
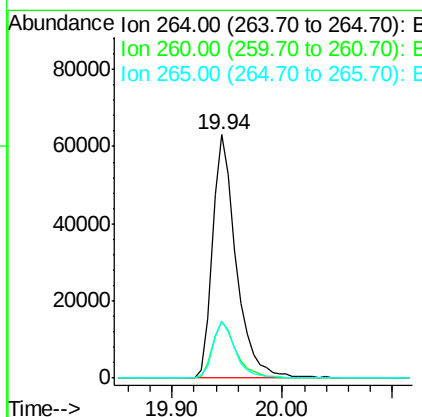
Manual Integrations
 APPROVED

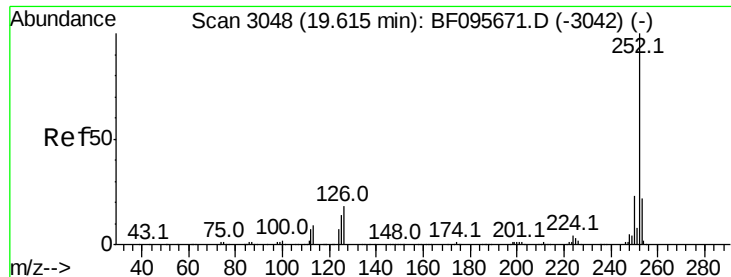
mohammad
 6/22/2017 6:02:57 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	92959		
260	23.5		19.5	29.3
265	23.3		17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 48.53 ng

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Instrument :

BNA_F

ClientSampleId :

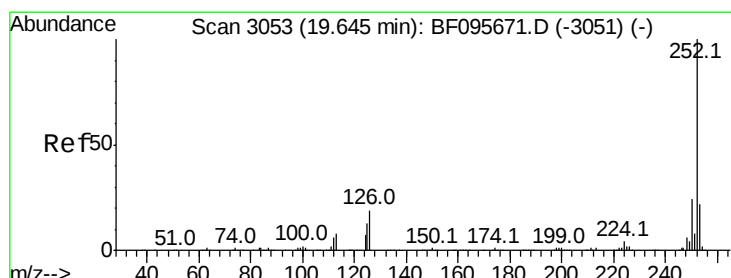
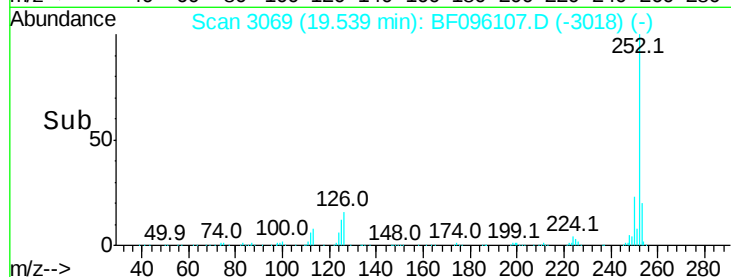
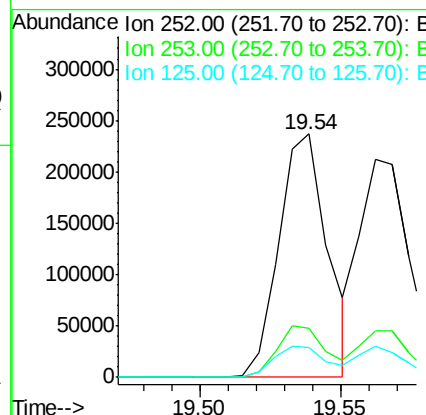
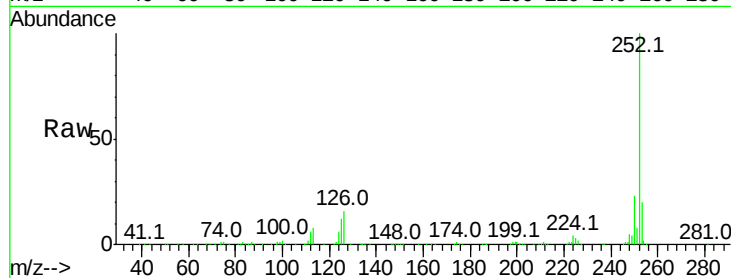
SU-02-061617MSD

Tot Ion:	252	Resp:	282465
Ion Ratio	Lower	Upper	
252	100		
253	20.0	18.1	27.1
125	12.5	9.8	14.8

Manual Integrations
APPROVED

mohammad

6/22/2017 6:02:57 PM



#88

Benzo(k)fluoranthene

Concen: 49.07 ng

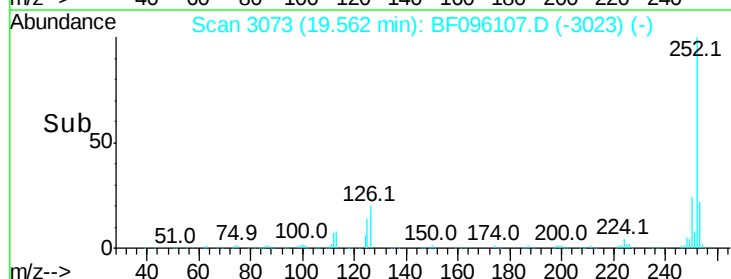
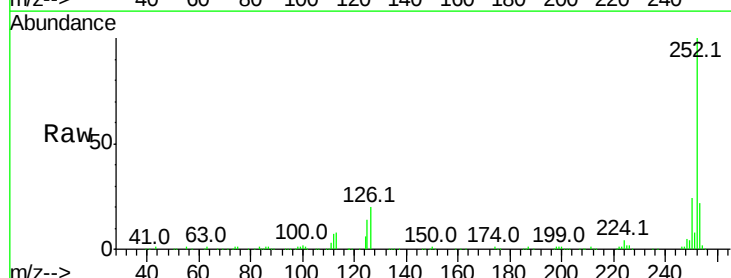
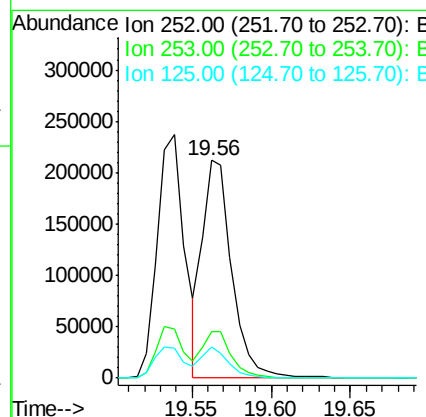
RT: 19.56 min Scan# 3073

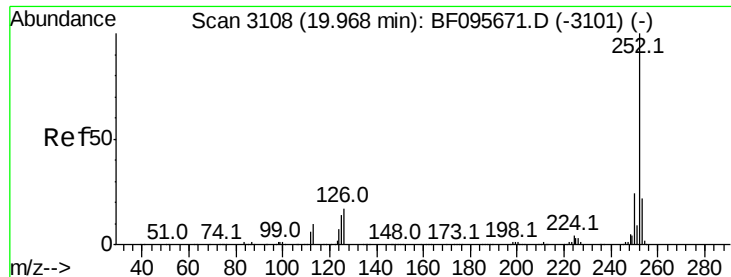
Delta R.T. -0.01 min

Lab File: BF096107.D

Acq: 22 Jun 2017 5:19

Tgt Ion:	252	Resp:	273036
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	14.1	13.1	19.7





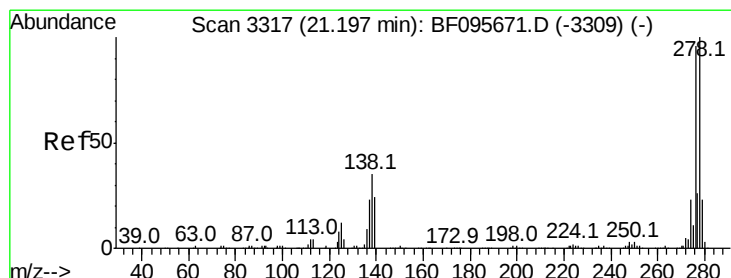
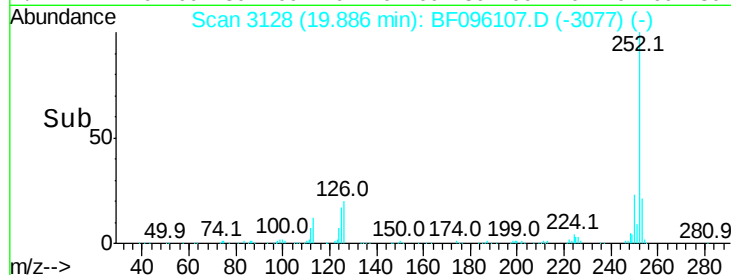
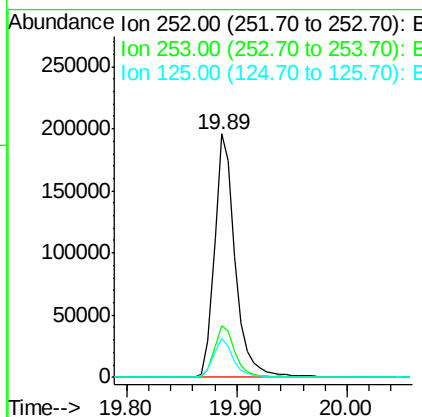
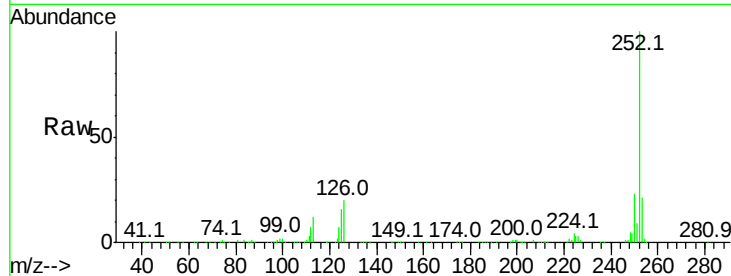
#89
Benzo(a)pyrene
Concen: 47.11 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Instrument :
BNA_F
ClientSampleId :
SU-02-061617MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	16.0	11.0	16.4

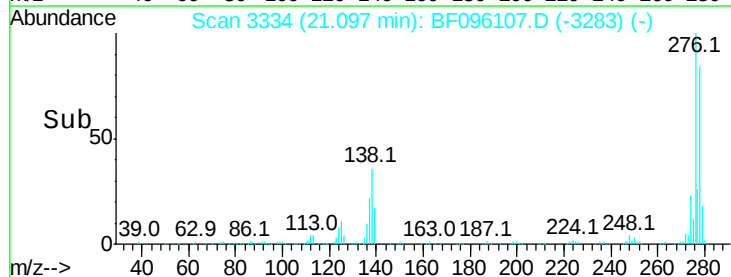
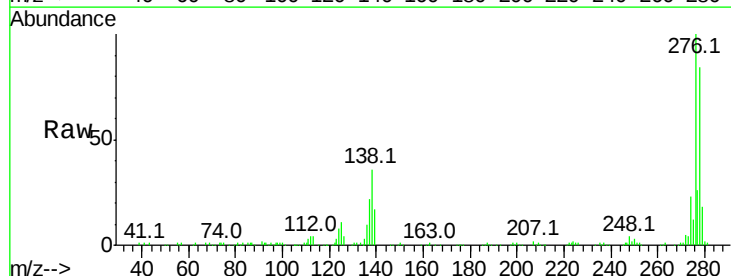
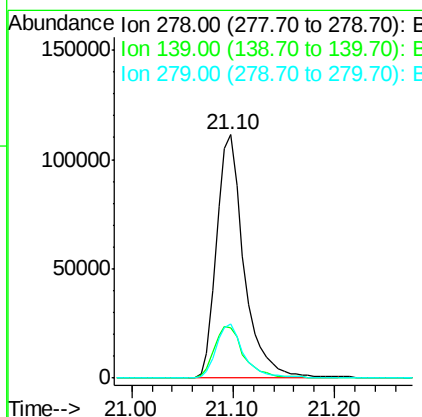
Manual Integrations
APPROVED

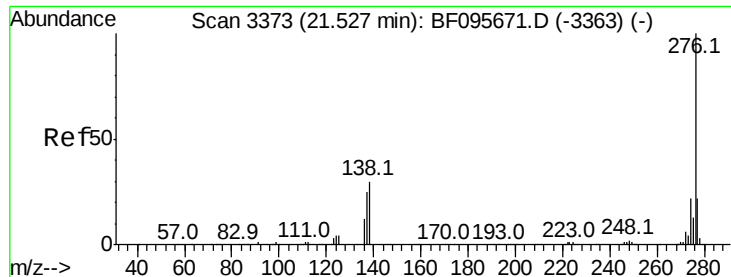
mohammad
6/22/2017 6:02:57 PM



#90
Dibenzo(a,h)anthracene
Concen: 46.26 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096107.D
Acq: 22 Jun 2017 5:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	16.6	24.8
279	22.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 44.10 ng
 RT: 21.43 min Scan# 3390
 Delta R.T. 0.01 min
 Lab File: BF096107.D
 Acq: 22 Jun 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061617MSD

Tot Ion:	276	Resp:	204058
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	29.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:02:57 PM

