

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF117014.D
 Acq On : 13 Sep 2019 9:30
 Operator : HP/JU
 Sample : PB122826BS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:00:07 AM

Quant Time: Sep 13 11:05:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	60511	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	260022	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	143407	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	243293	20.00	ng	0.00
76) Chrysene-d12	13.97	240	152580	20.00	ng	0.00
87) Perylene-d12	15.42	264	132995	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	452643	121.19	ng	0.01
7) Phenol-d6	6.46	99	594363	121.18	ng	0.00
23) Nitrobenzene-d5	7.39	82	356172	78.20	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	145700	151.98	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	663194	78.01	ng	0.00
79) Terphenyl-d14	12.92	244	684105	82.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	71371	41.393	ng	98
3) Pyridine	3.34	79	168490	33.750	ng	96
4) n-Nitrosodimethylamine	3.28	42	65672	38.308	ng	96
6) Aniline	6.49	93	226831	33.391	ng	96
8) 2-Chlorophenol	6.62	128	198364	48.650	ng	98
9) Benzaldehyde	6.37	77	123407	38.192	ng	99
10) Phenol	6.47	94	255196	46.989	ng	99
11) bis(2-Chloroethyl)ether	6.56	93	185535	43.874	ng	98
12) 1,3-Dichlorobenzene	6.77	146	205686	44.634	ng	97
13) 1,4-Dichlorobenzene	6.85	146	213340	46.500	ng	99
14) 1,2-Dichlorobenzene	7.00	146	197895	46.544	ng	99
15) Benzyl Alcohol	6.97	79	184375	46.311	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.10	45	179763	36.232	ng	98
17) 2-Methylphenol	7.08	107	167788	47.008	ng	98
18) Hexachloroethane	7.34	117	78255	43.902	ng	98
19) n-Nitroso-di-n-propylamine	7.24	70	143106	44.314	ng	99
20) 3+4-Methylphenols	7.23	107	209632	50.512	ng	91
22) Acetophenone	7.23	105	290280	46.370	ng	# 96
24) Nitrobenzene	7.40	77	220931	47.692	ng	95
25) Isophorone	7.65	82	411009	44.532	ng	98
26) 2-Nitrophenol	7.72	139	100111	58.128	ng	97
27) 2,4-Dimethylphenol	7.76	122	178090	51.201	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	235204	41.702	ng	100
29) 2,4-Dichlorophenol	7.97	162	168693	50.466	ng	96
30) 1,2,4-Trichlorobenzene	8.05	180	165388	45.617	ng	100
31) Naphthalene	8.13	128	575735	46.564	ng	100
32) Benzoic acid	7.89	122	85520	43.545	ng	95
33) 4-Chloroaniline	8.17	127	145385	25.831	ng	97
34) Hexachlorobutadiene	8.25	225	91449	46.260	ng	98
35) Caprolactam	8.54	113	56521m	45.181	ng	
36) 4-Chloro-3-methylphenol	8.66	107	200076	52.078	ng	97
37) 2-Methylnaphthalene	8.82	142	402916	48.977	ng	98
38) 1-Methylnaphthalene	8.92	142	370197	47.670	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	158769	46.184	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF117014.D
 Acq On : 13 Sep 2019 9:30
 Operator : HP/JU
 Sample : PB122826BS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PB122826BS

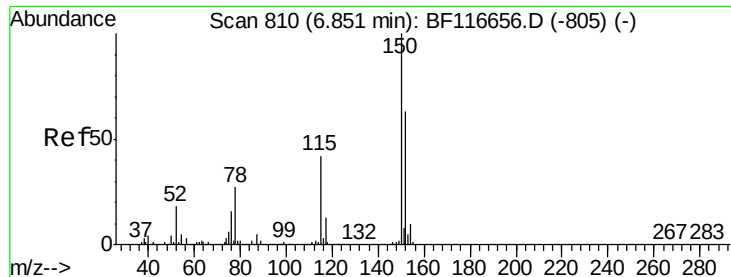
Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:00:07 AM

Quant Time: Sep 13 11:05:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	78089	39.336	ng	96
43) 2,4,6-Trichlorophenol	9.10	196	112106	47.572	ng	100
44) 2,4,5-Trichlorophenol	9.14	196	121603	49.705	ng	98
46) 1,1'-Biphenyl	9.28	154	480610	44.166	ng	99
47) 2-Chloronaphthalene	9.30	162	375694	43.590	ng	96
48) 2-Nitroaniline	9.40	65	121599	48.801	ng	99
49) Acenaphthylene	9.72	152	606572	46.557	ng	100
50) Dimethylphthalate	9.58	163	451268	45.579	ng	98
51) 2,6-Dinitrotoluene	9.64	165	99038	52.429	ng #	86
52) Acenaphthene	9.89	154	345479	43.157	ng	100
53) 3-Nitroaniline	9.81	138	87375	36.909	ng	91
54) 2,4-Dinitrophenol	9.92	184	38666	60.209	ng	96
55) Dibenzofuran	10.06	168	537457	47.626	ng	98
56) 4-Nitrophenol	9.98	139	158467	97.626	ng	99
57) 2,4-Dinitrotoluene	10.05	165	132889	57.533	ng	99
58) Fluorene	10.40	166	432979	50.354	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	95420	54.041	ng	99
60) Diethylphthalate	10.27	149	471513	47.543	ng	100
61) 4-Chlorophenyl-phenylether	10.39	204	187366	49.760	ng	95
62) 4-Nitroaniline	10.42	138	114809	49.974	ng	98
63) Azobenzene	10.56	77	480278	46.443	ng	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	33628	39.155	ng	94
66) n-Nitrosodiphenylamine	10.51	169	388046	46.106	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	111269	45.020	ng #	89
68) Hexachlorobenzene	10.96	284	117765	45.542	ng	95
69) Atrazine	11.04	200	111941	47.489	ng	98
70) Pentachlorophenol	11.15	266	116772	93.350	ng	97
71) Phenanthrene	11.36	178	618411	45.662	ng	99
72) Anthracene	11.42	178	657646	48.239	ng	100
73) Carbazole	11.57	167	598586	46.093	ng	99
74) Di-n-butylphthalate	11.90	149	795656	47.792	ng	99
75) Fluoranthene	12.55	202	619379	46.536	ng	99
77) Benzidine	12.67	184	373043	62.334	ng	99
78) Pyrene	12.78	202	611195	45.062	ng	99
80) Butylbenzylphthalate	13.39	149	330914	50.170	ng	91
81) Benzo(a)anthracene	13.96	228	453592	46.972	ng	100
82) 3,3'-Dichlorobenzidine	13.92	252	144428	44.256	ng	99
83) Chrysene	14.00	228	439377	44.164	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	478301	58.745	ng #	99
85) Di-n-octyl phthalate	14.56	149	761491	57.151	ng	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	308614	38.620	ng	100
88) Benzo(b)fluoranthene	15.00	252	373051	46.395	ng	99
89) Benzo(k)fluoranthene	15.03	252	357281	48.734	ng	99
90) Benzo(a)pyrene	15.36	252	336623	48.120	ng	98
91) Dibenzo(a,h)anthracene	16.87	278	264025	43.119	ng	99
92) Benzo(g,h,i)perylene	17.29	276	229896	36.814	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

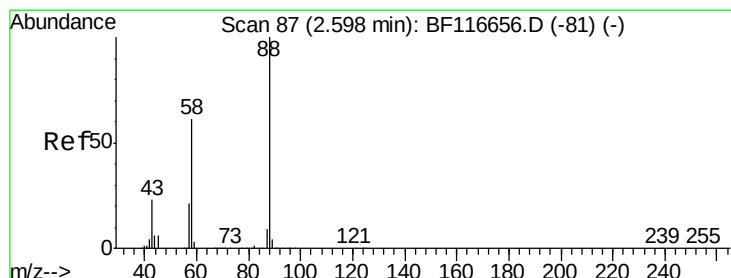
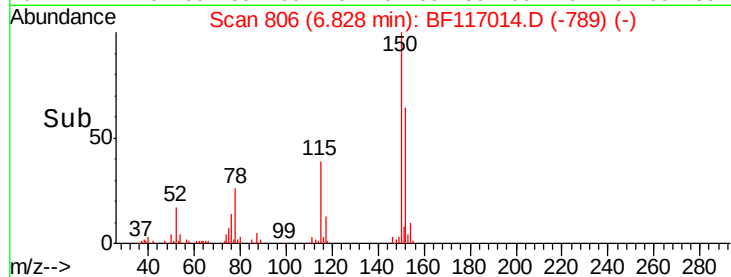
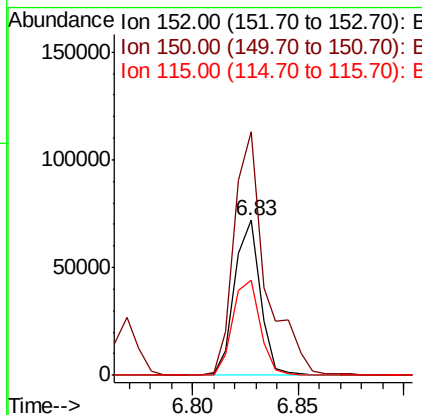
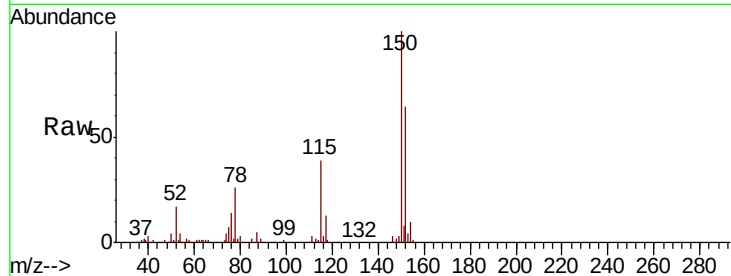
ClientSampleId :

PB122826BS

Tot Ion:	152	Resp:	60511
Ion Ratio	Lower	Upper	
152	100		
150	157.2	126.2	189.2
115	61.8	50.2	75.2

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#2

1,4-Dioxane

Concen: 41.393 ng

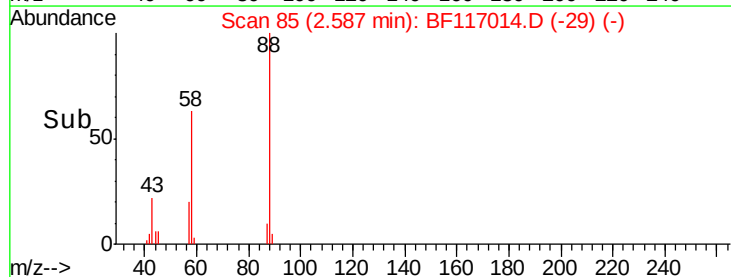
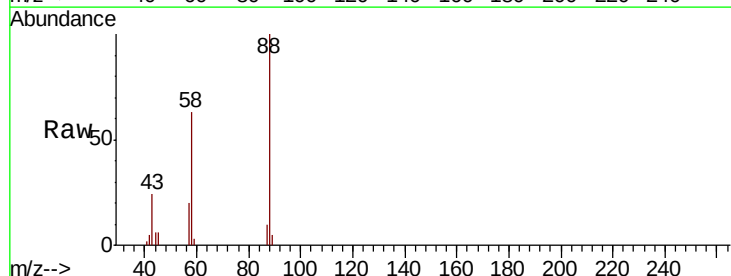
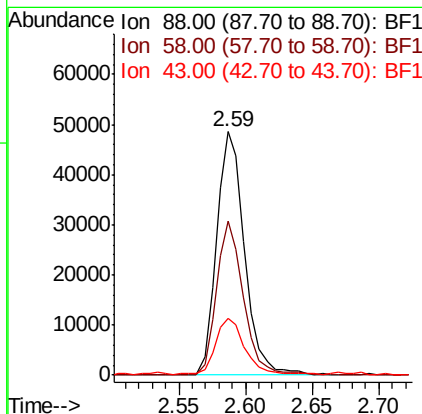
RT: 2.59 min Scan# 85

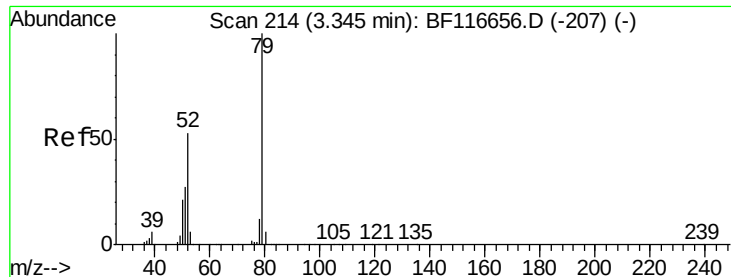
Delta R.T. 0.03 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	88	Resp:	71371
Ion Ratio	Lower	Upper	
88	100		
58	60.9	49.4	74.2
43	24.9	18.6	28.0





#3

Pvridine

Concen: 33.750 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.04 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

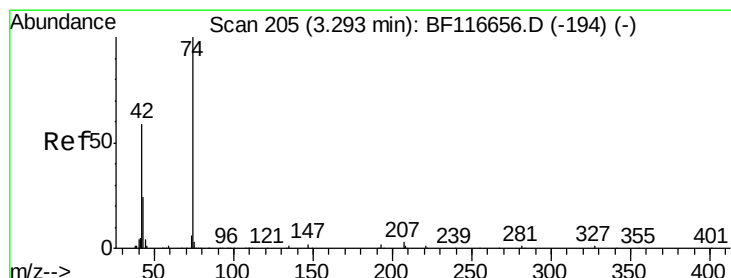
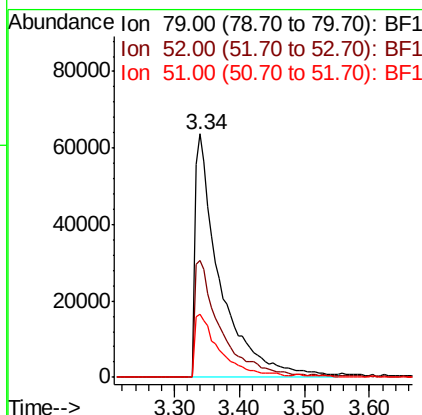
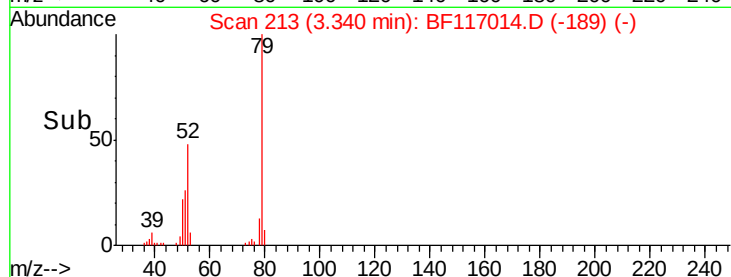
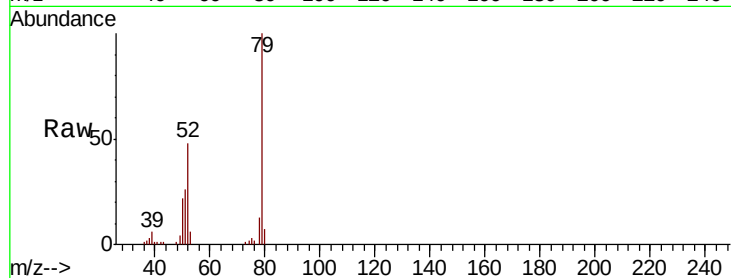
ClientSampleId :

PB122826BS

Tot Ion:	79	Resp:	168490
Ion Ratio	Lower	Upper	
79	100		
52	47.9	40.5	60.7
51	25.9	22.3	33.5

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#4

n-Nitrosodimethylamine

Concen: 38.308 ng

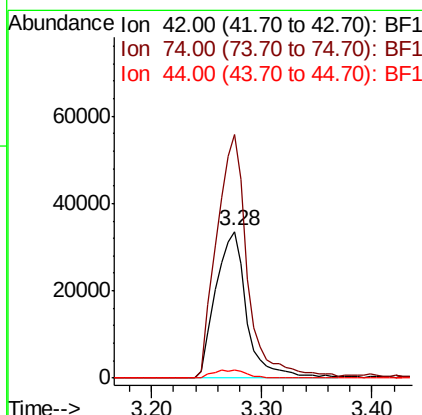
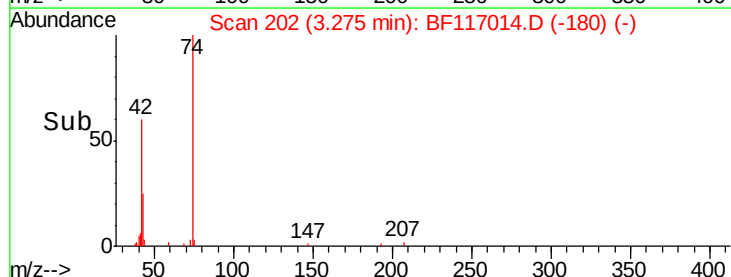
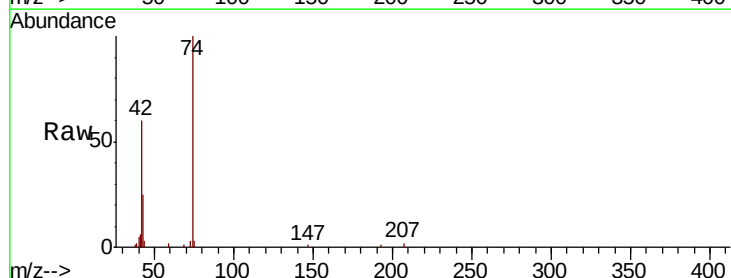
RT: 3.28 min Scan# 202

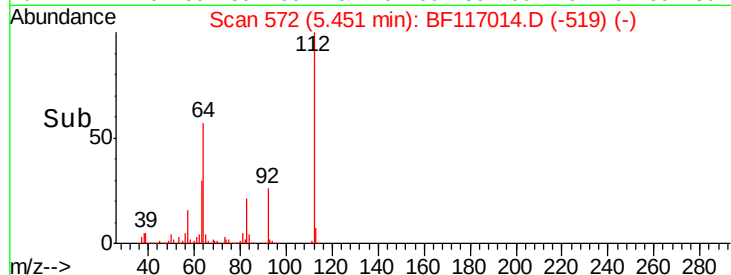
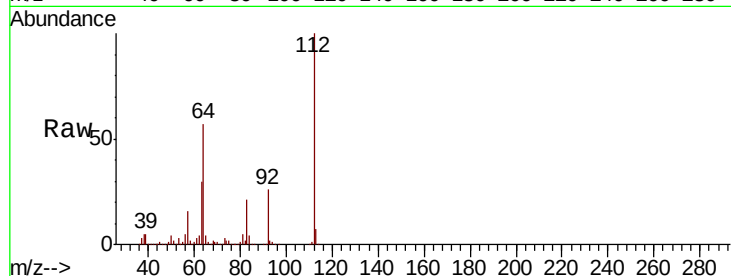
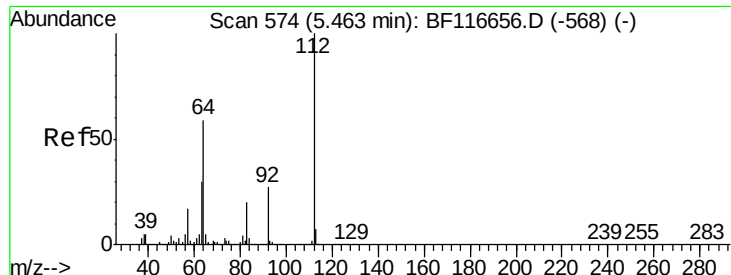
Delta R.T. 0.03 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	42	Resp:	65672
Ion Ratio	Lower	Upper	
42	100		
74	166.1	137.6	206.4
44	5.5	4.4	6.6





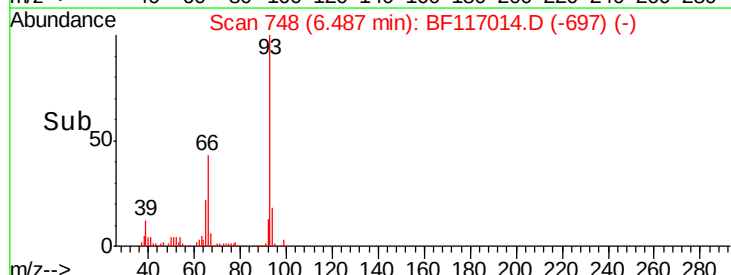
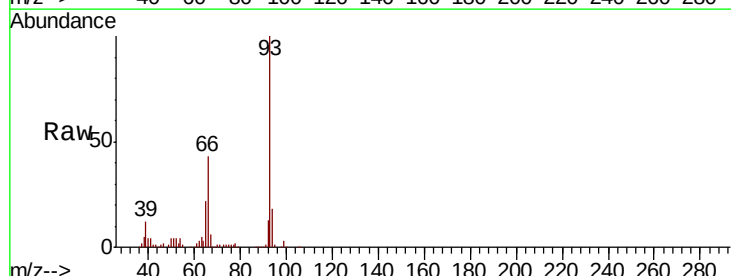
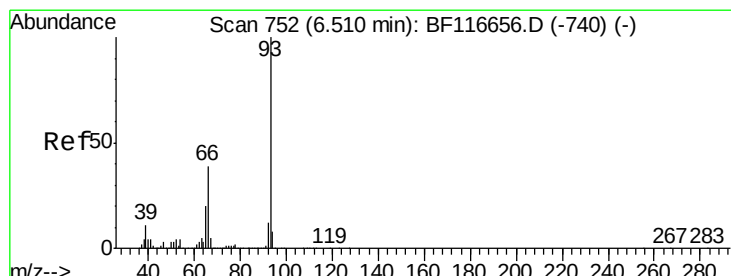
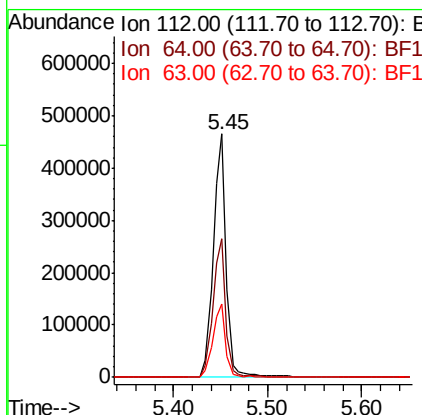
#5
2-Fluorophenol
Concen: 121.186 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tot Ion:	112	Resp:	452643
Ion Ratio	Lower	Upper	
112	100		
64	56.8	47.1	70.7
63	30.0	25.4	38.0

Instrument :
BNA_F
ClientSampleId :
PB122826BS

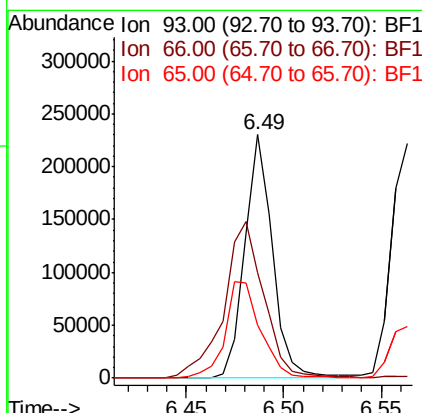
Manual Integrations
APPROVED

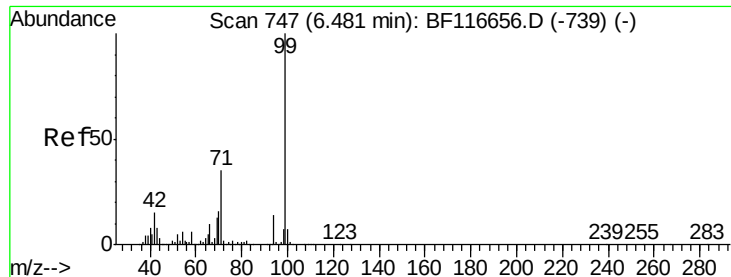
mohammad
9/16/2019 9:00:07 AM



#6
Aniline
Concen: 33.391 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion:	93	Resp:	226831
Ion Ratio	Lower	Upper	
93	100		
66	43.1	32.3	48.5
65	21.9	16.2	24.2





#7

Phenol-d6

Concen: 121.184 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

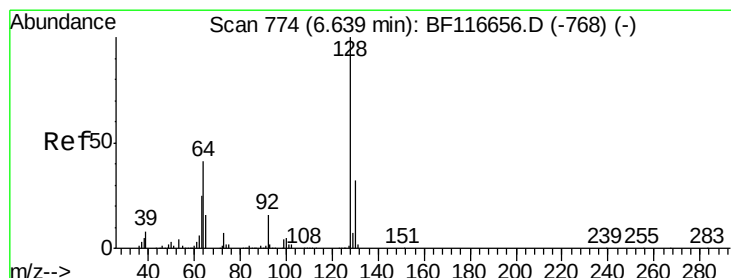
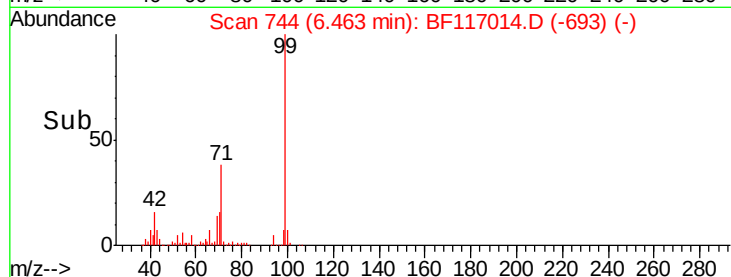
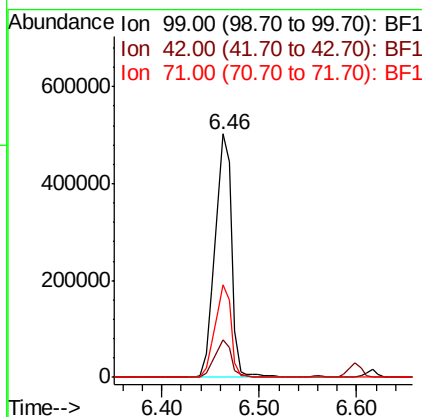
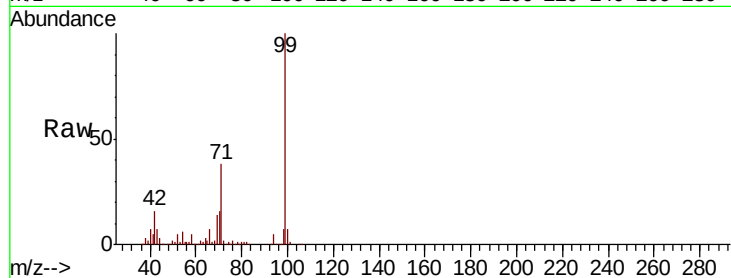
ClientSampleId :

PB122826BS

Tot Ion:	99	Resp:	594363
Ion Ratio	Lower	Upper	
99	100		
42	15.7	12.0	18.0
71	37.8	29.7	44.5

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#8

2-Chlorophenol

Concen: 48.650 ng

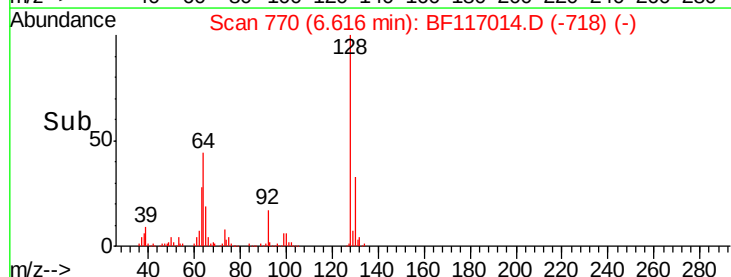
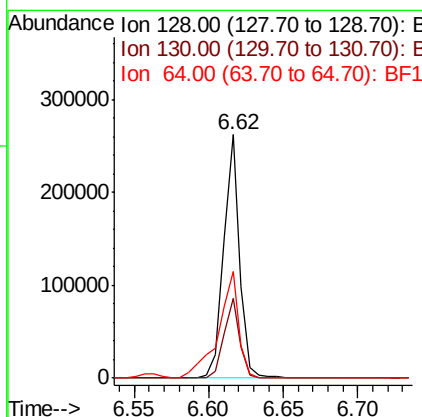
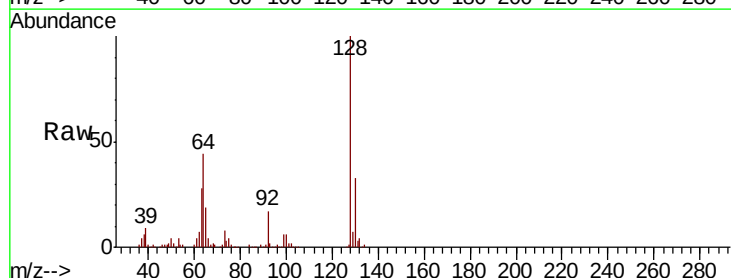
RT: 6.62 min Scan# 770

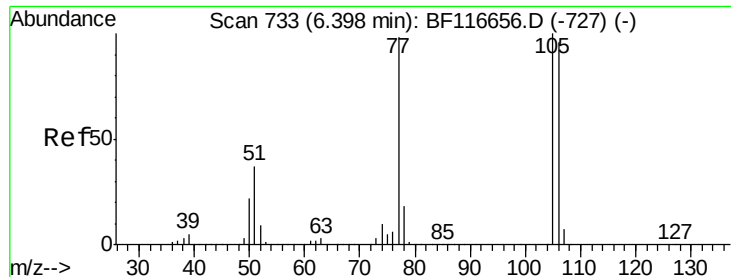
Delta R.T. 0.01 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	128	Resp:	198364
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.4	52.4
64	44.0	26.5	66.5





#9

Benzaldehyde

Concen: 38.192 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

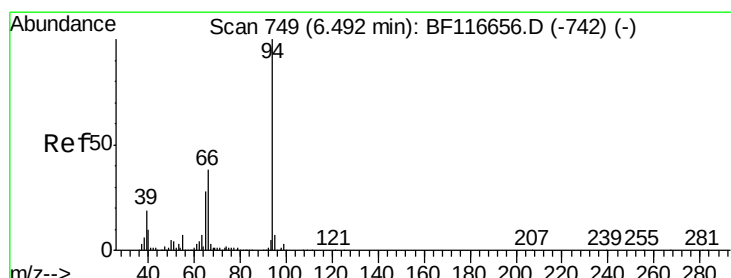
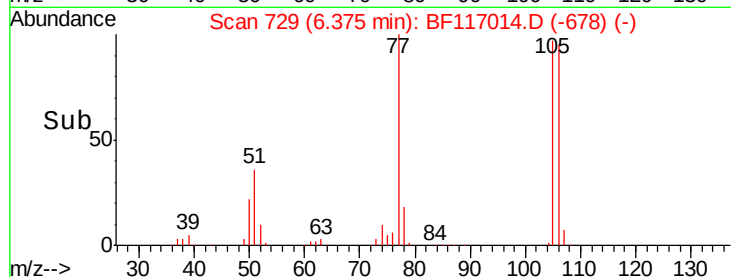
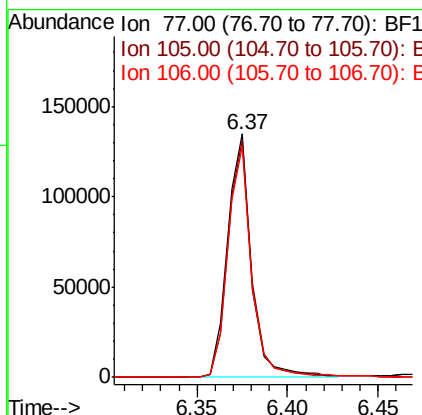
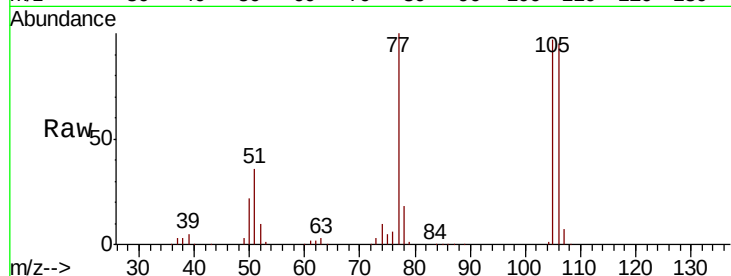
ClientSampleId :

PB122826BS

Tot Ion:	77	Resp:	123407
Ion Ratio	Lower	Upper	
77	100		
105	97.2	79.3	119.3
106	94.6	75.1	115.1

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#10

Phenol

Concen: 46.989 ng

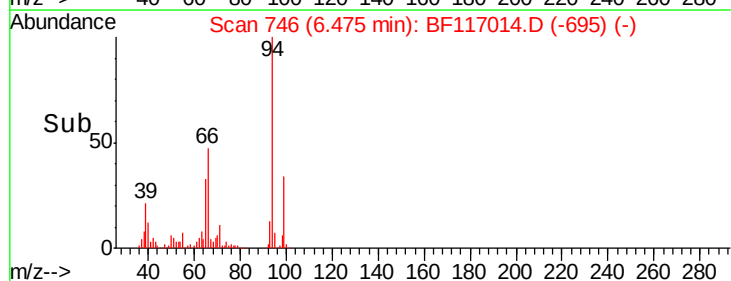
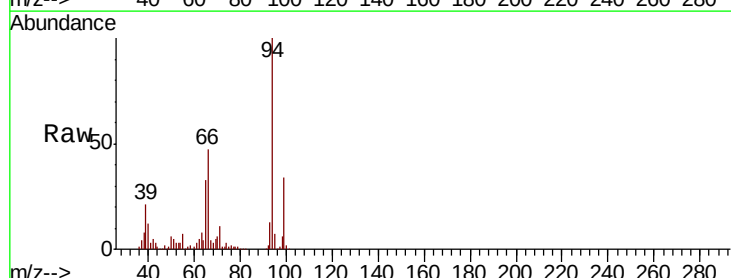
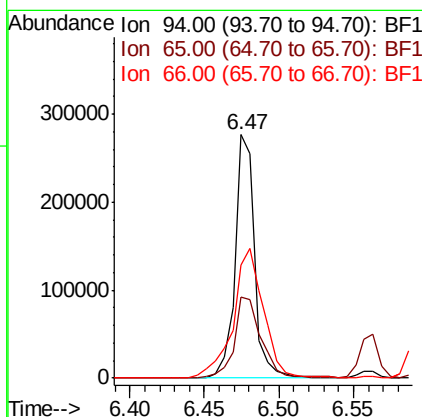
RT: 6.47 min Scan# 746

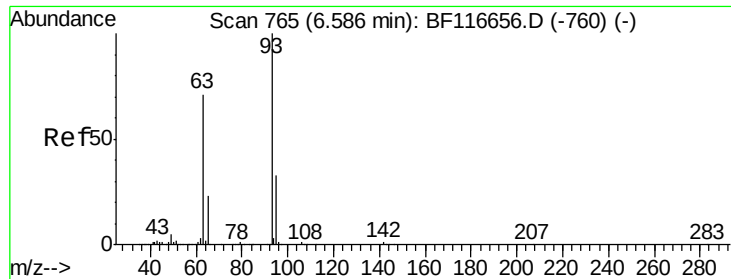
Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	94	Resp:	255196
Ion Ratio	Lower	Upper	
94	100		
65	33.1	12.0	52.0
66	46.6	26.5	66.5





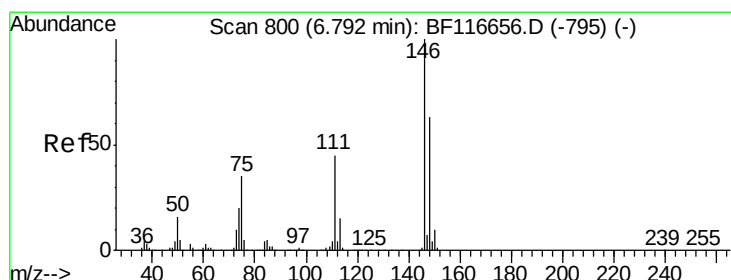
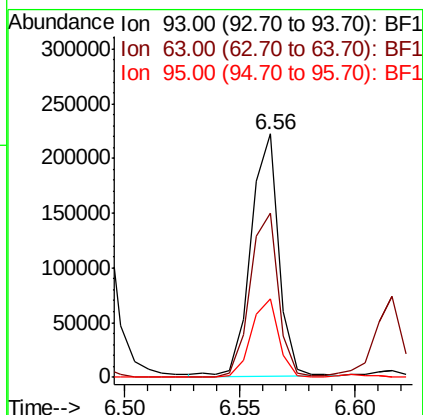
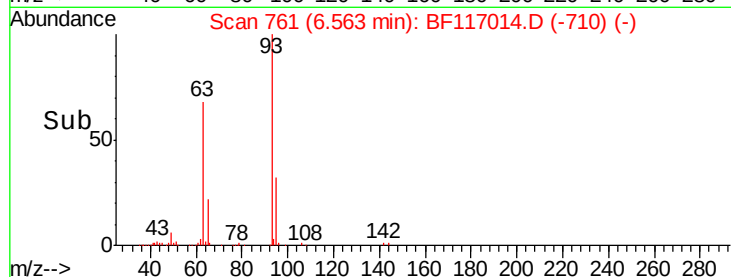
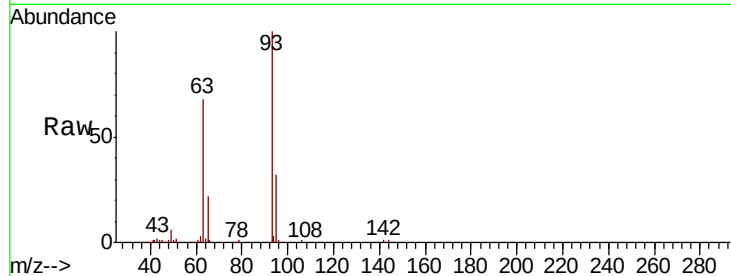
#11
bis(2-Chloroethyl)ether
Concen: 43.874 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		185535		
63	67.5	49.0	89.0		
95	32.3	13.7	53.7		

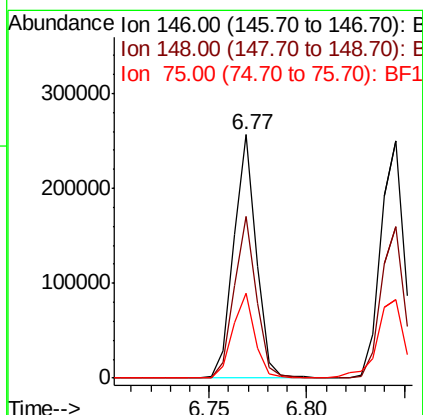
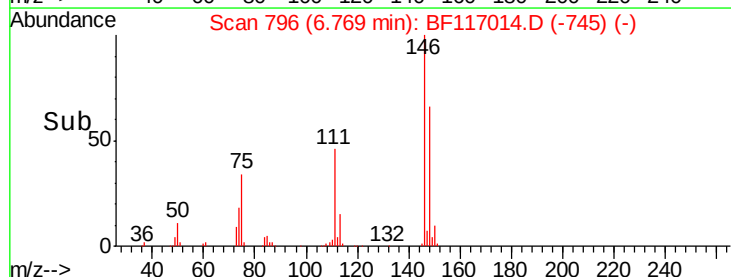
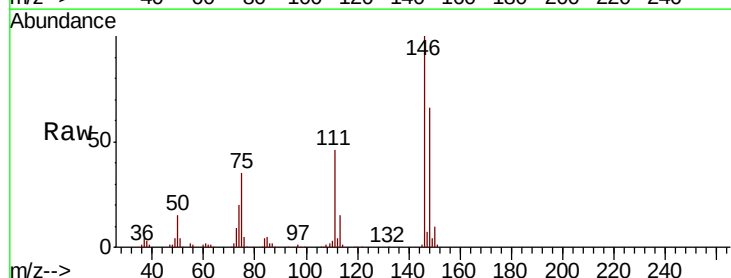
Manual Integrations
APPROVED

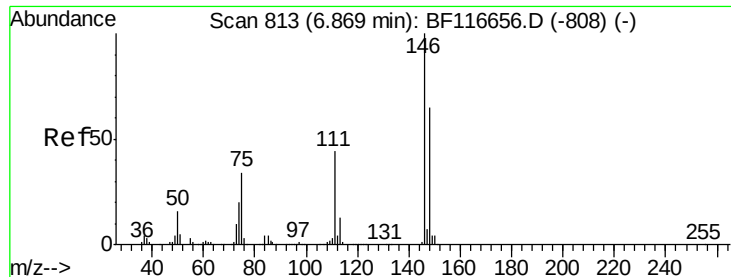
mohammad
9/16/2019 9:00:07 AM



#12
1,3-Dichlorobenzene
Concen: 44.634 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		205686		
148	66.3	51.3	76.9		
75	34.6	26.6	40.0		





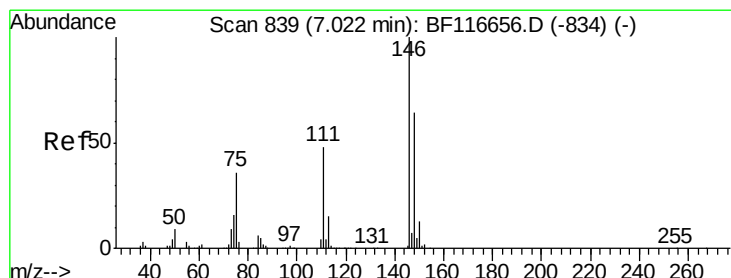
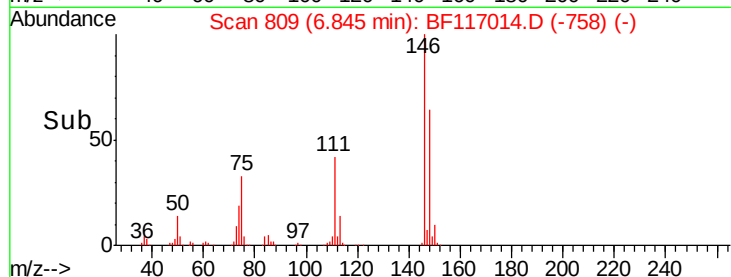
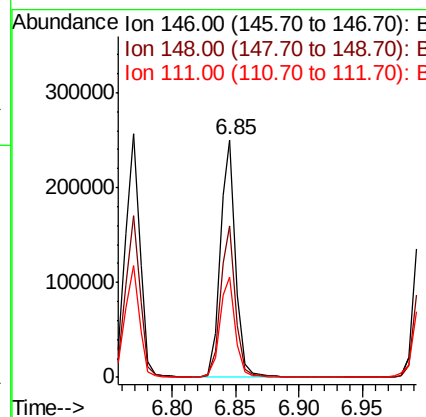
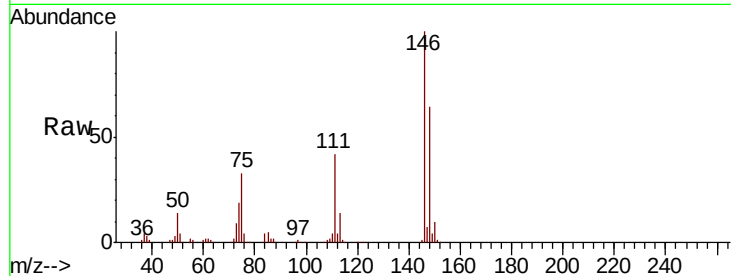
#13
 1,4-Dichlorobenzene
 Concen: 46.500 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
111	42.4	33.4	50.2

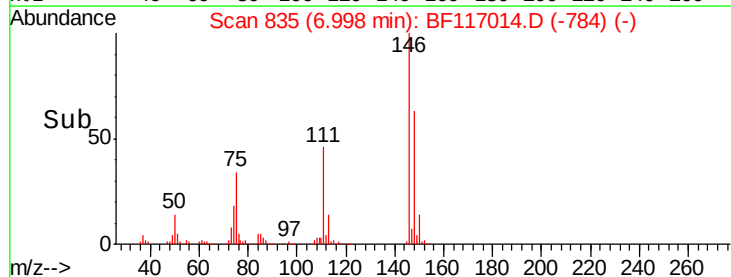
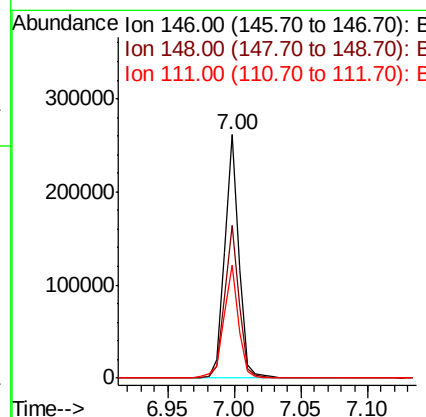
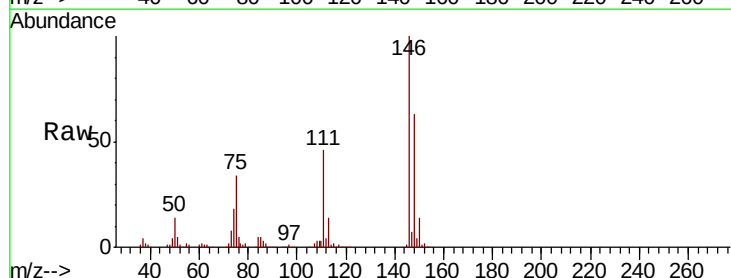
Manual Integrations
 APPROVED

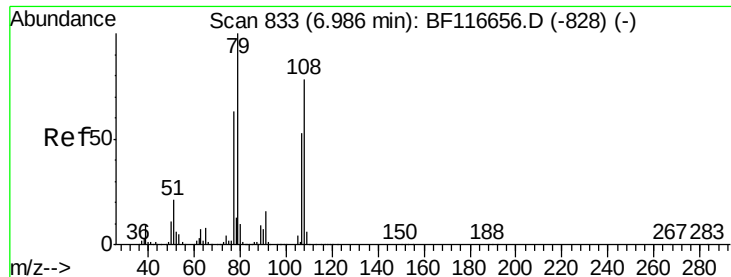
mohammad
 9/16/2019 9:00:07 AM



#14
 1,2-Dichlorobenzene
 Concen: 46.544 ng
 RT: 7.00 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.7	77.5
111	46.5	37.2	55.8





#15

Benzyl Alcohol

Concen: 46.311 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

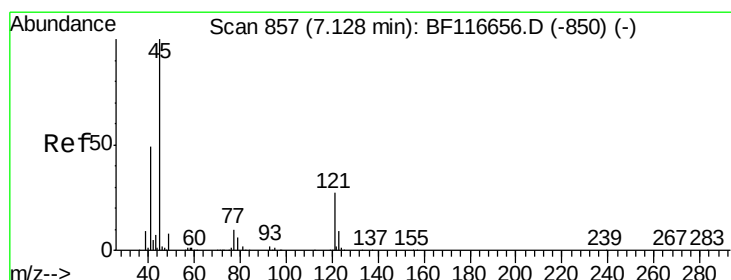
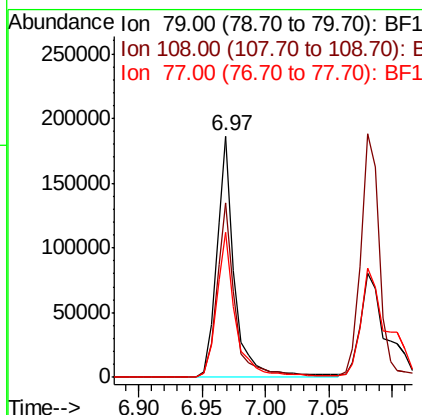
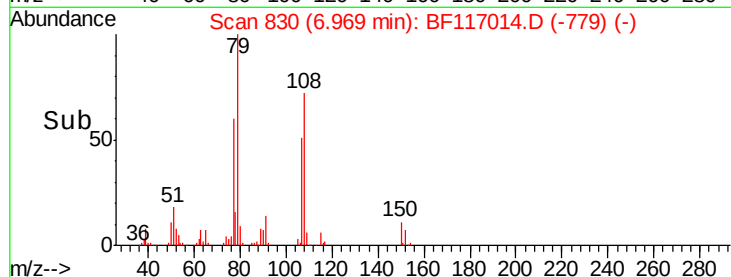
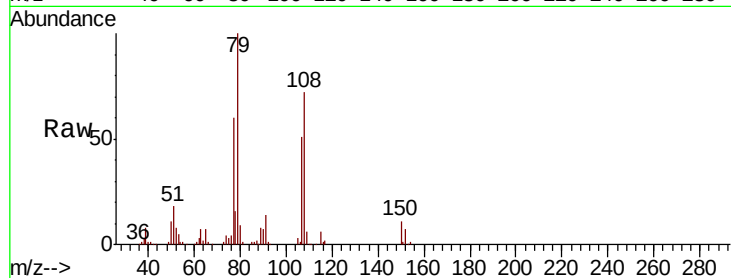
ClientSampleId :

PB122826BS

Tot Ion:	79	Resp:	184375
Ion Ratio	Lower	Upper	
79	100		
108	72.2	60.2	90.4
77	60.3	51.5	77.3

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.232 ng

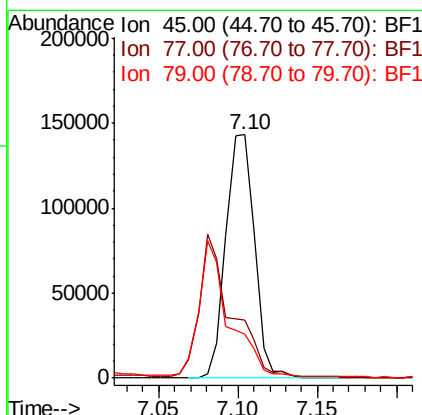
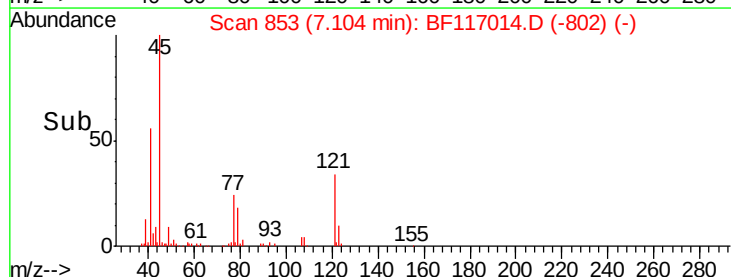
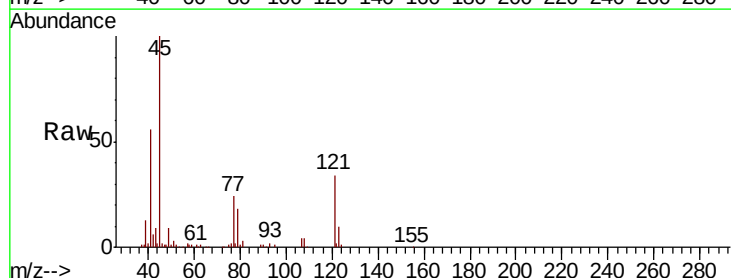
RT: 7.10 min Scan# 853

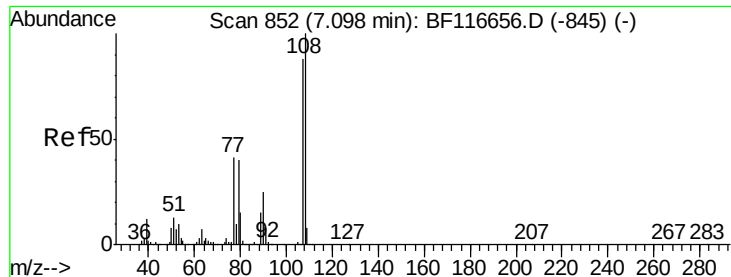
Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	45	Resp:	179763
Ion Ratio	Lower	Upper	
45	100		
77	24.1	2.7	42.7
79	18.2	0.0	38.5





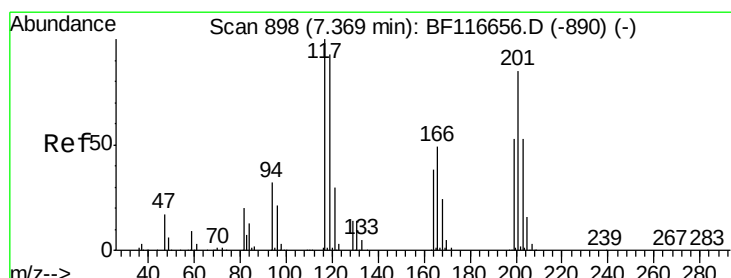
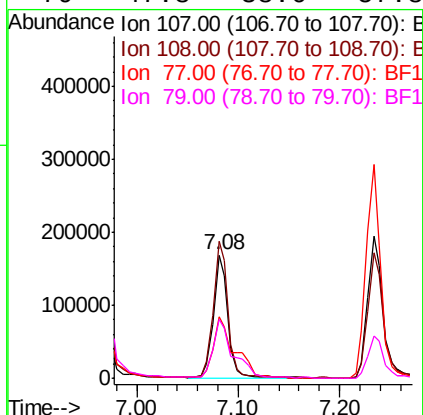
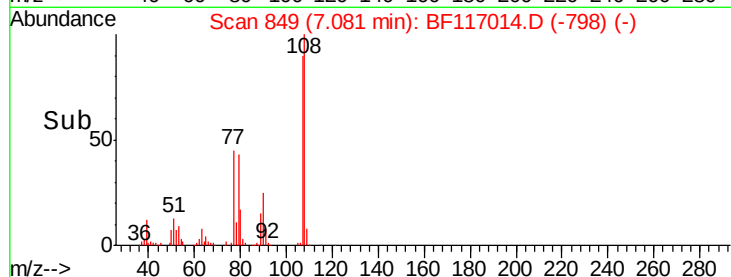
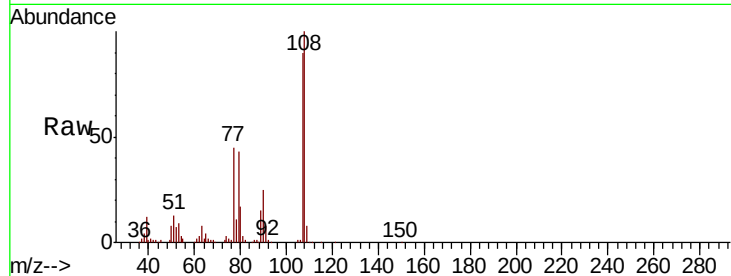
#17
2-Methylphenol
Concen: 47.008 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampled :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.2	90.9	136.3	
77	49.9	38.6	58.0	
79	47.8	38.6	57.8	

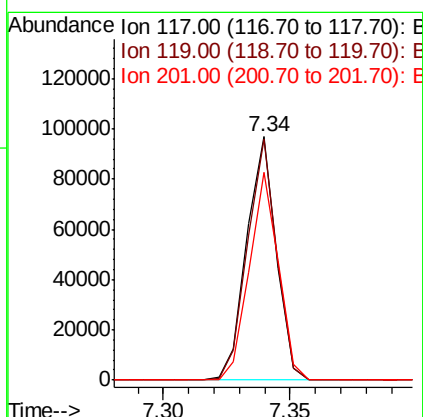
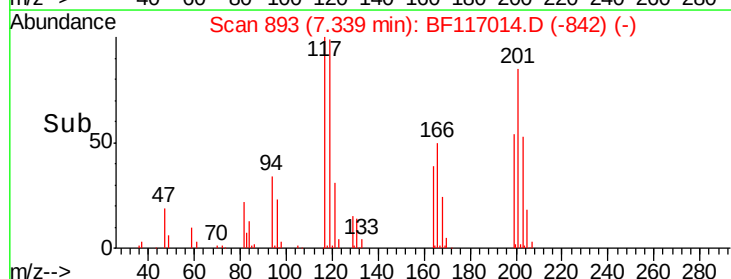
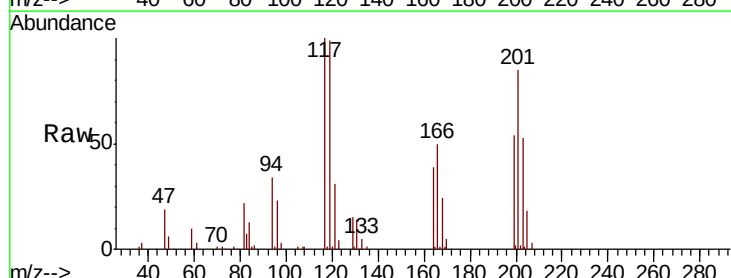
Manual Integrations
APPROVED

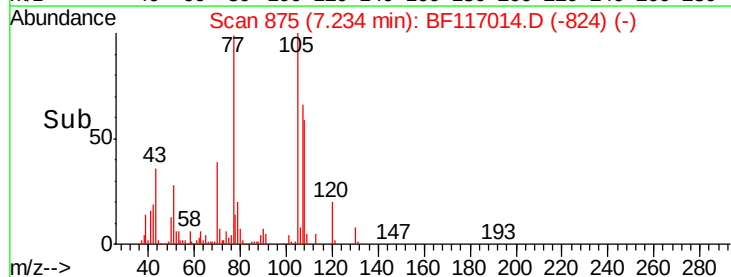
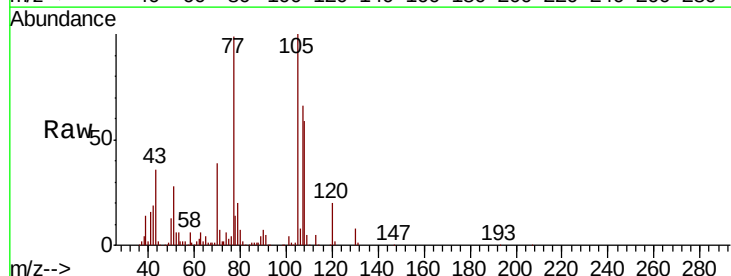
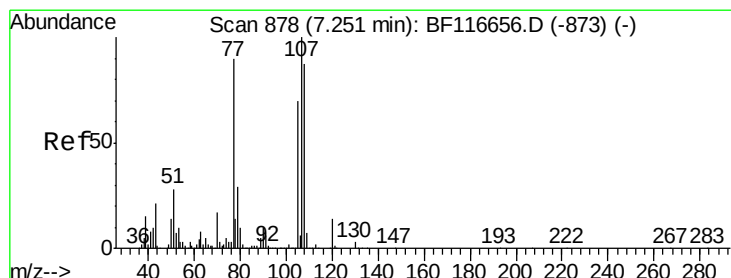
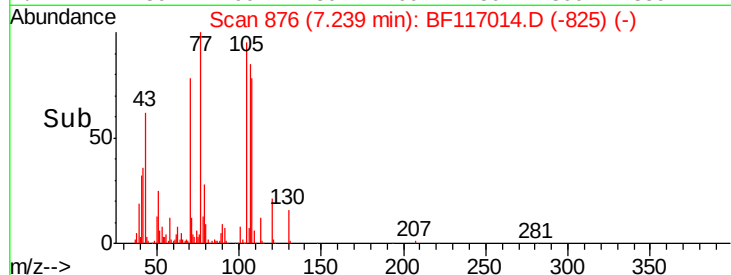
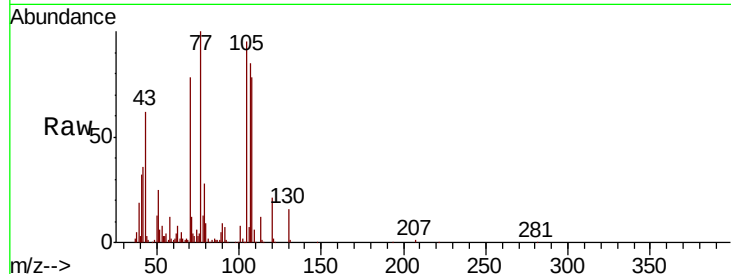
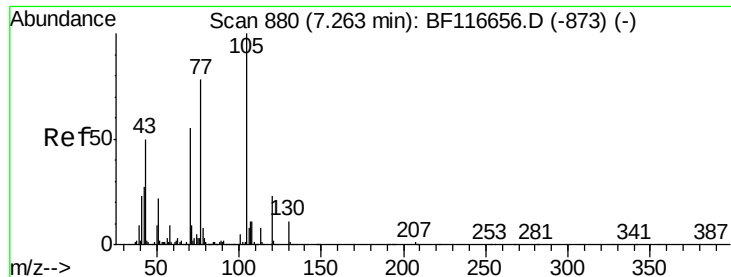
mohammad
9/16/2019 9:00:07 AM



#18
Hexachloroethane
Concen: 43.902 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.8	76.8	115.2	
201	85.3	68.2	102.2	





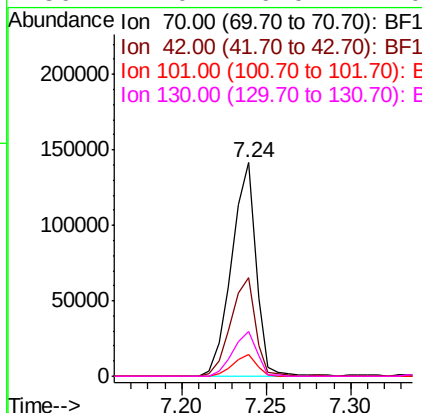
#19
n-Nitroso-di-n-propylamine
Concen: 44.314 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		143106		
42	46.0	37.0	55.4		
101	9.9	7.4	11.2		
130	21.0	16.0	24.0		

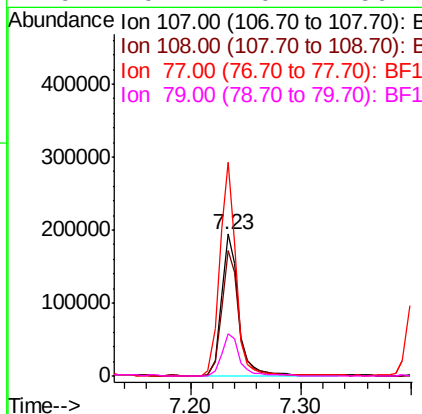
Manual Integrations
APPROVED

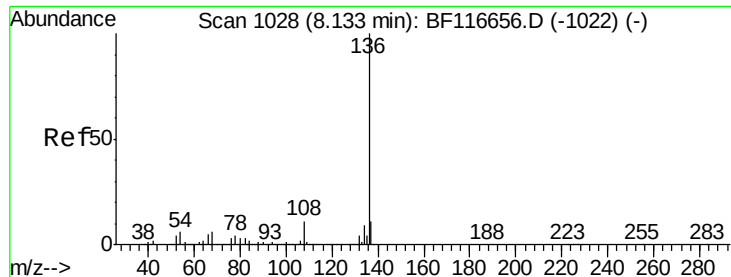
mohammad
9/16/2019 9:00:07 AM



#20
3+4-Methylphenols
Concen: 50.512 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		209632		
108	89.0	71.9	111.9		
77	150.9	112.6	152.6		
79	29.7	10.7	50.7		





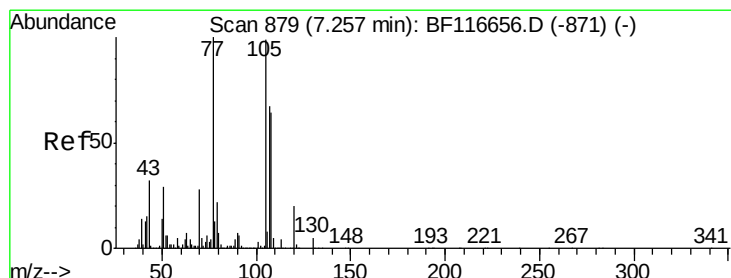
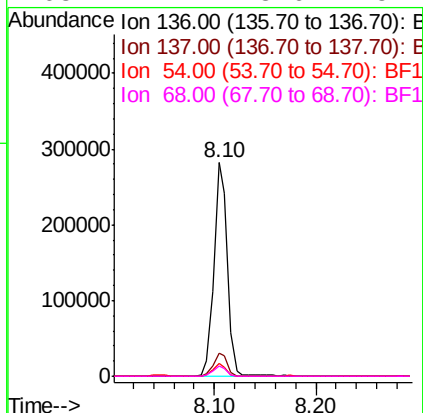
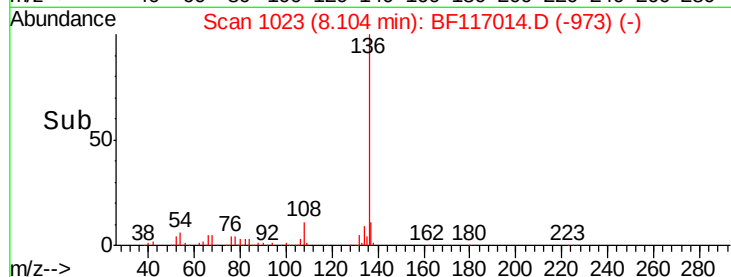
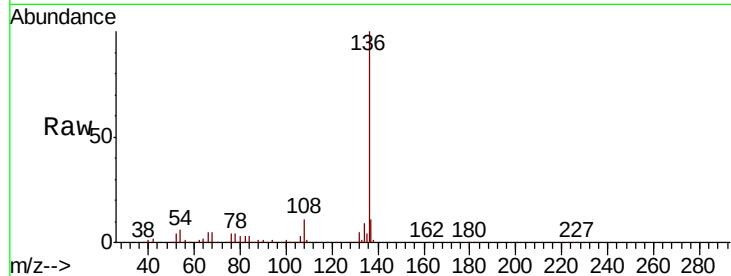
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	260022		
137	10.8		8.5	12.7
54	6.0		3.8	5.8#
68	4.7		3.6	5.4

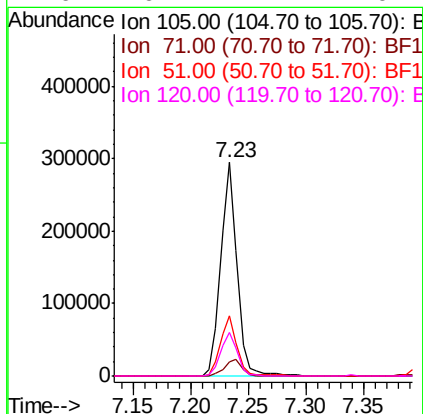
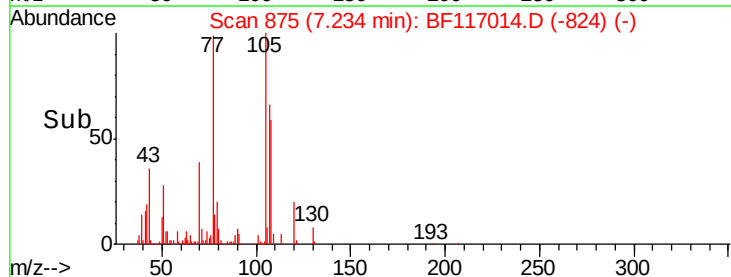
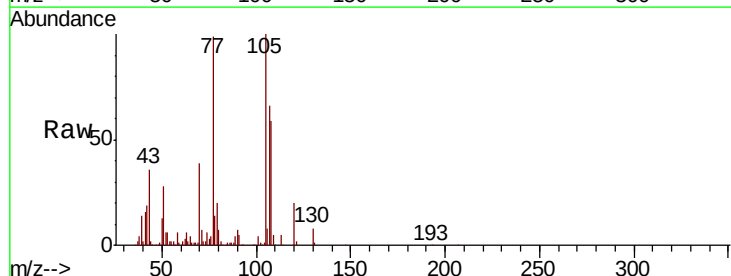
Manual Integrations
APPROVED

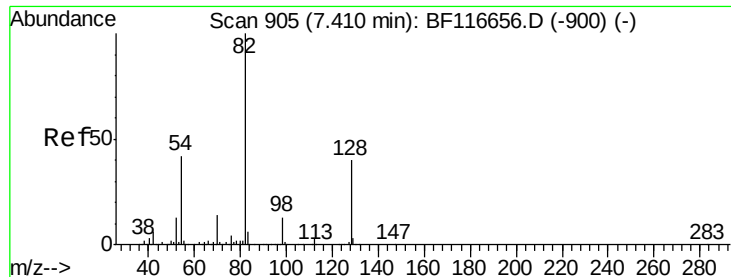
mohammad
9/16/2019 9:00:07 AM



#22
Acetophenone
Concen: 46.370 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290280		
71	6.5		4.2	6.4#
51	28.5		24.6	37.0
120	20.1		17.4	26.2





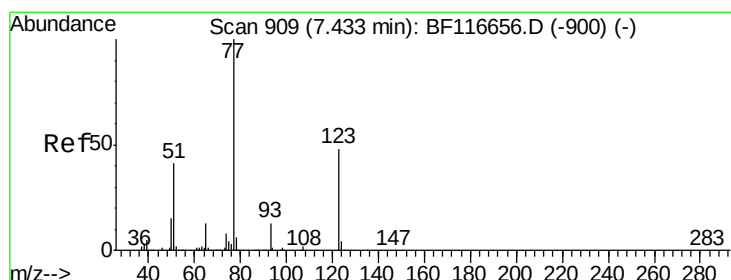
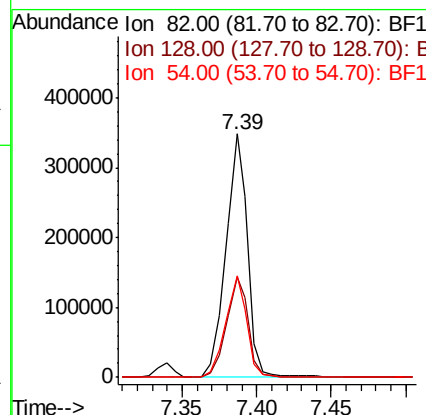
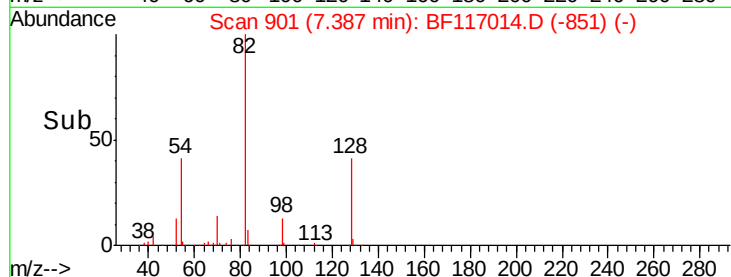
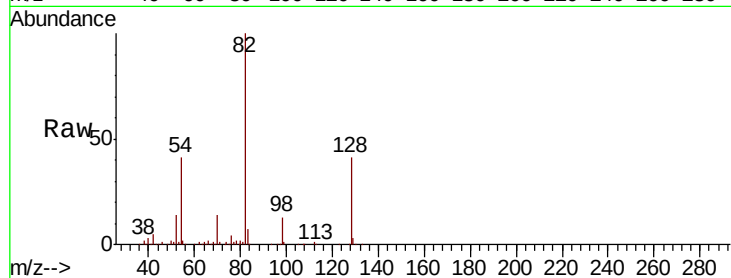
#23
 Nitrobenzene-d5
 Concen: 78.197 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	35.0	52.4	
54	41.5	32.6	48.8	

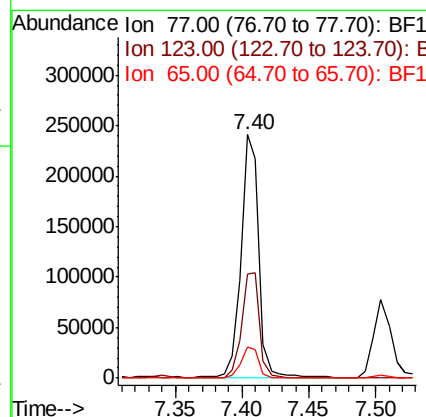
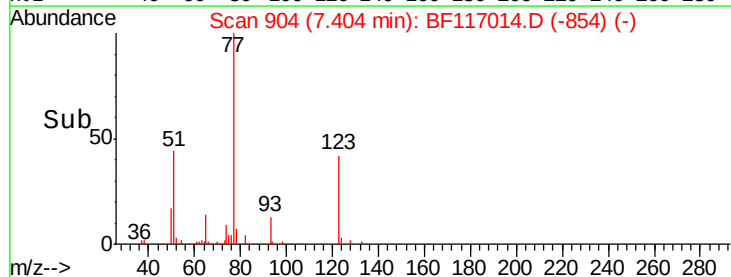
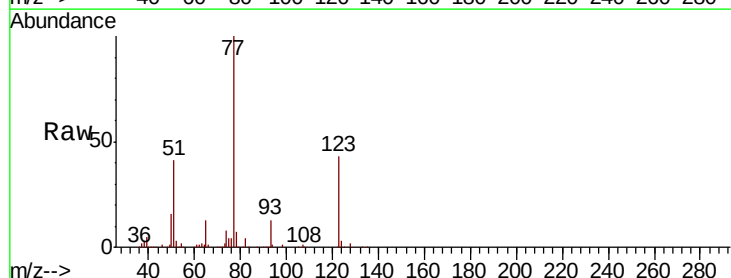
Manual Integrations
 APPROVED

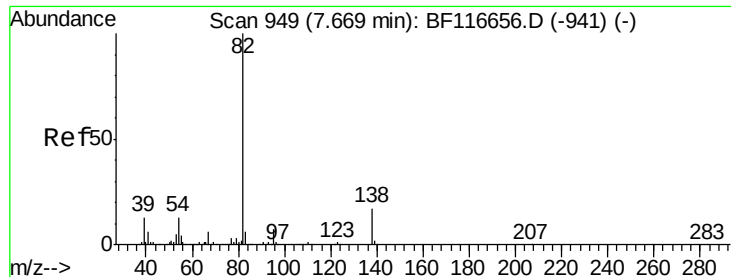
mohammad
 9/16/2019 9:00:07 AM



#24
 Nitrobenzene
 Concen: 47.692 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	42.7	37.7	56.5	
65	13.0	10.3	15.5	





#25

Isophorone

Concen: 44.532 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

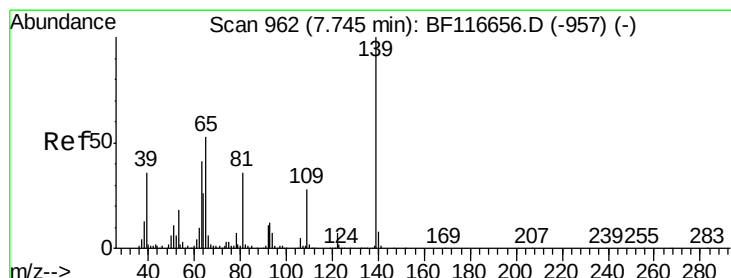
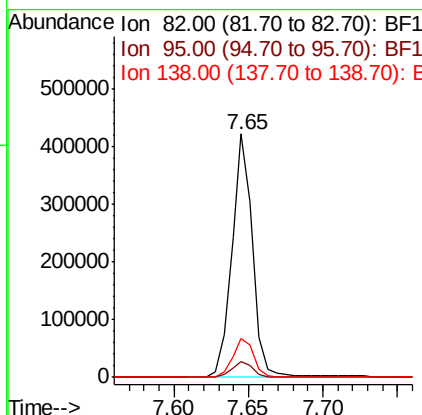
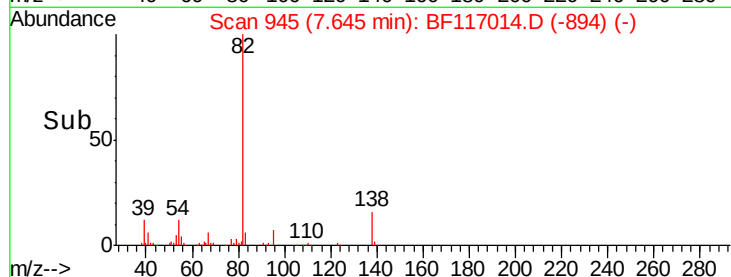
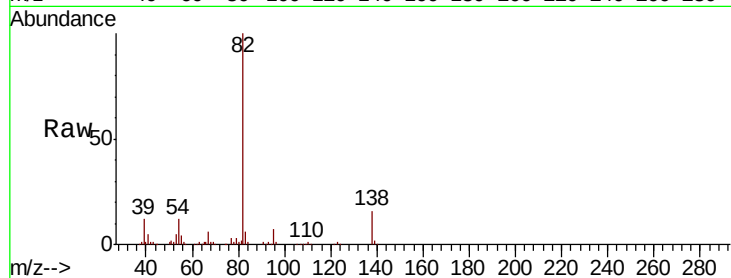
ClientSampleId :

PB122826BS

Tot Ion:	82	Resp:	411009
Ion Ratio	Lower	Upper	
82	100		
95	6.7	6.0	9.0
138	15.7	13.4	20.2

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#26

2-Nitrophenol

Concen: 58.128 ng

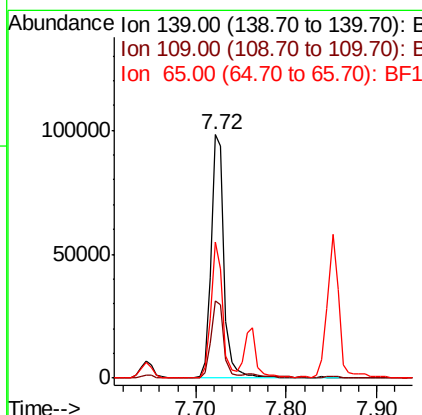
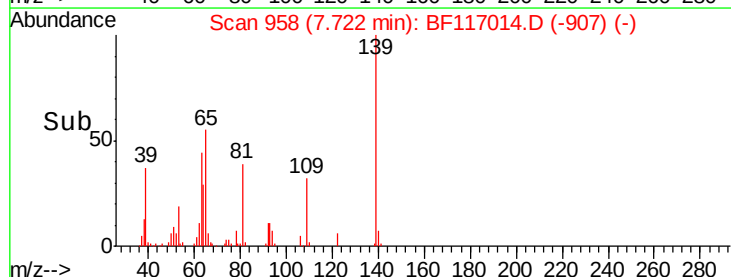
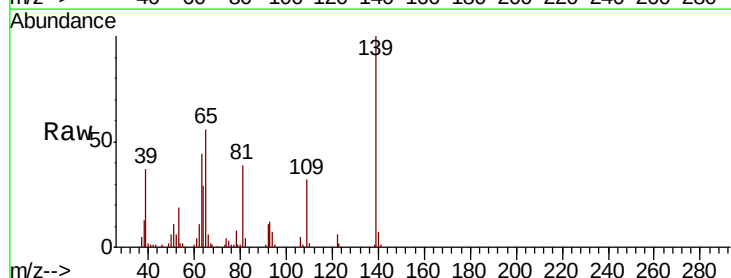
RT: 7.72 min Scan# 958

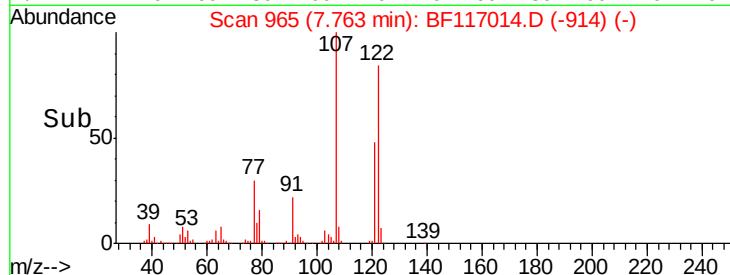
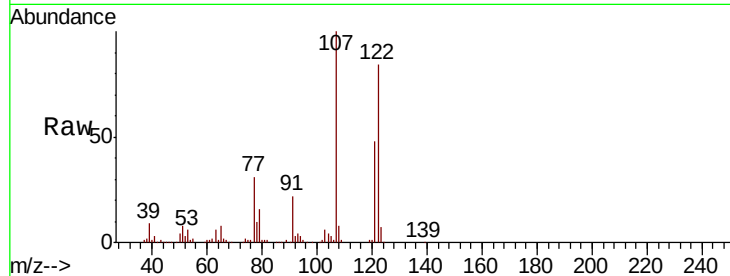
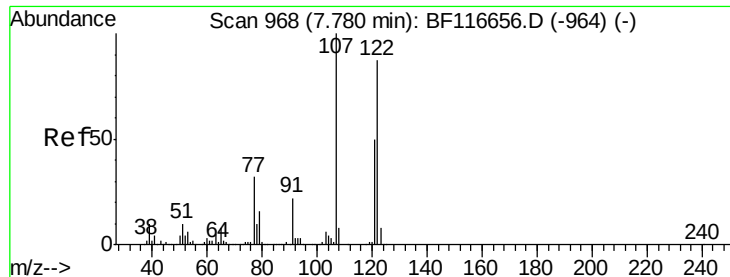
Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	139	Resp:	100111
Ion Ratio	Lower	Upper	
139	100		
109	31.6	26.2	39.4
65	56.0	42.5	63.7





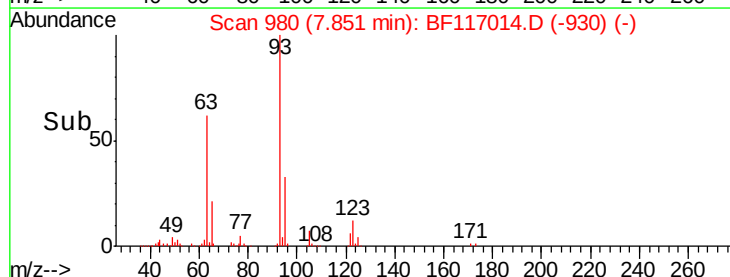
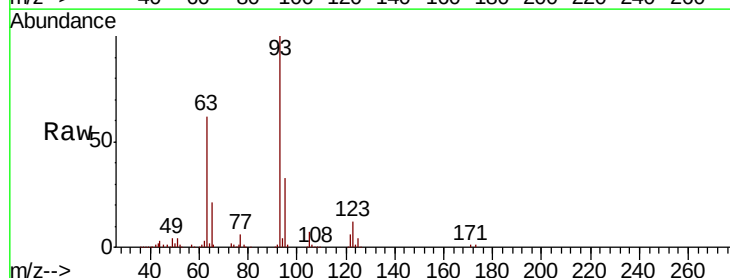
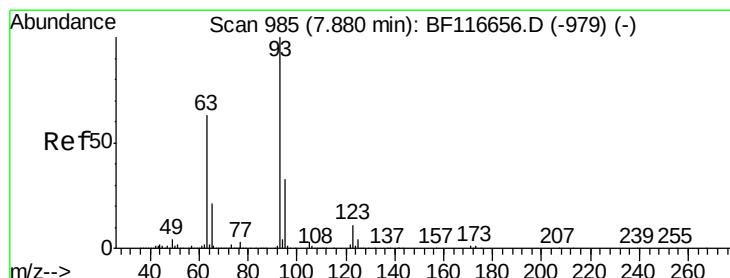
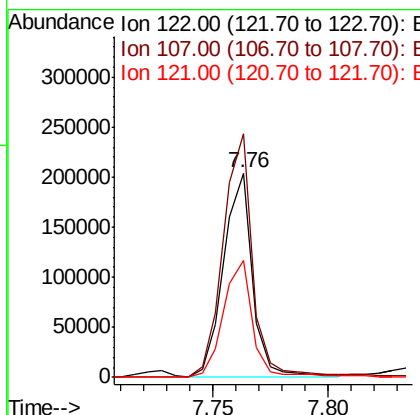
#27
2,4-Dimethylphenol
Concen: 51.201 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tot Ion	Ratio	Resp	Lower	Upper
122	100	178090		
107	119.3	98.8	148.2	
121	57.2	44.8	67.2	

Instrument :
BNA_F
ClientSampleId :
PB122826BS

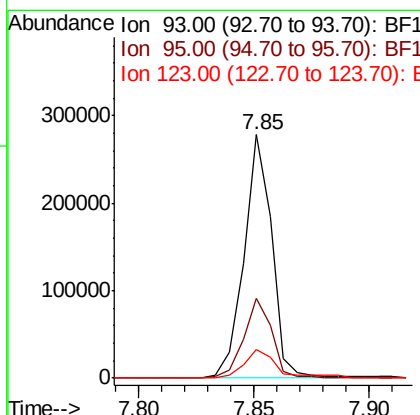
Manual Integrations
APPROVED

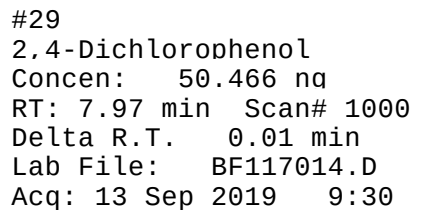
mohammad
9/16/2019 9:00:07 AM



#28
bis(2-Chloroethoxy)methane
Concen: 41.702 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	235204		
95	32.5	26.2	39.2	
123	11.8	9.7	14.5	



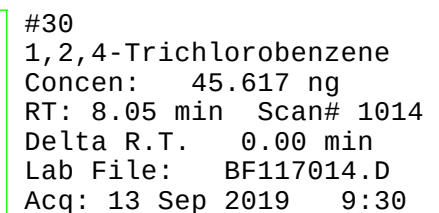
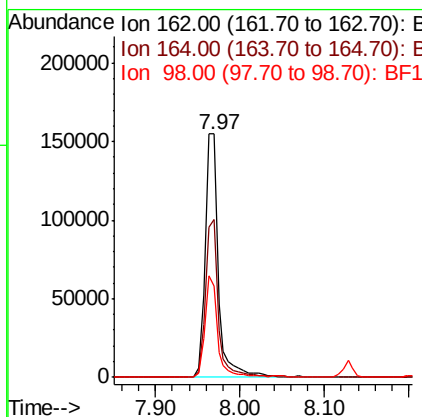


Instrument :
BNA_F
ClientSampleId :
PB122826BS

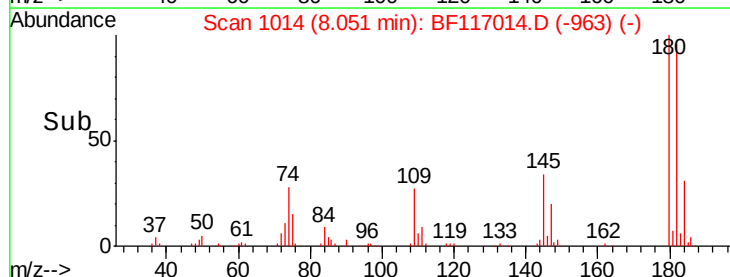
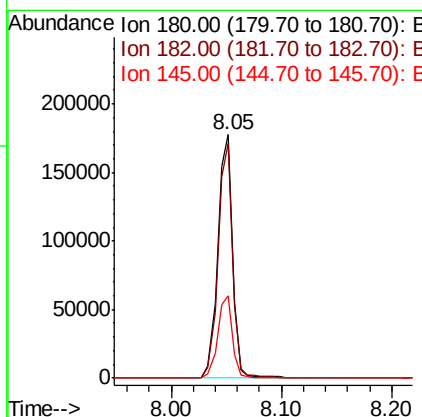
Manual Integrations
APPROVED

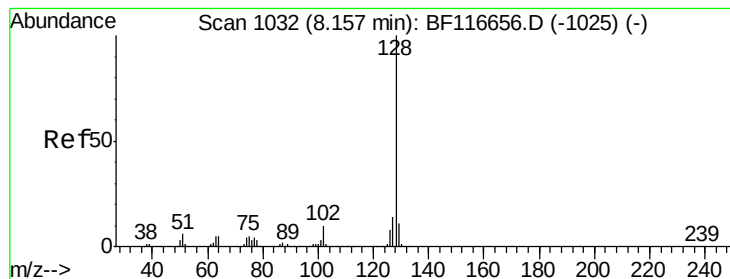
mohammad
9/16/2019 9:00:07 AM

Tqt	Ion:162	Resp:	168693
Ion	Ratio	Lower	Upper
162	100		
164	65.1	43.8	83.8
98	37.3	22.8	62.8



Tgt	Ion:180	Resp:	165388
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	33.7	27.4	41.2





#31

Naphthalene

Concen: 46.564 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

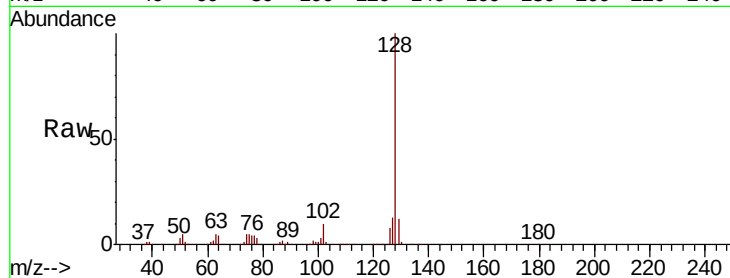
ClientSampleId :

PB122826BS

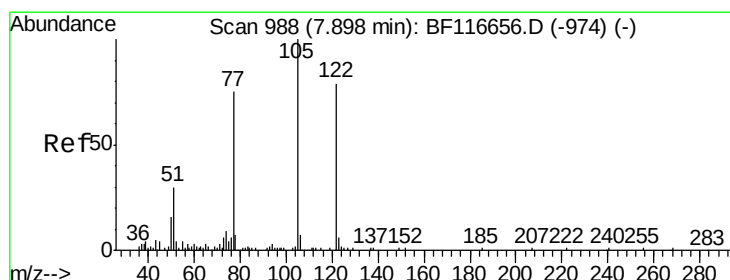
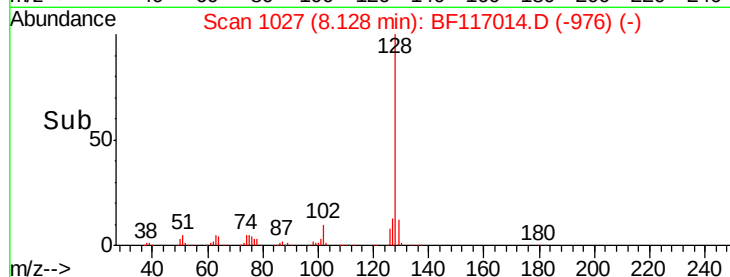
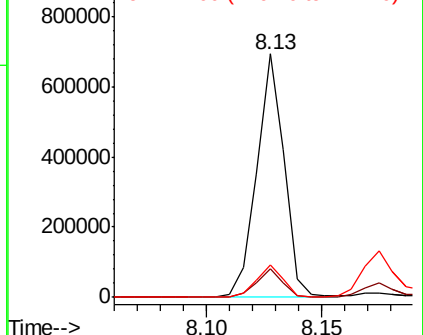
Tot Ion	Ratio	Resp	Lower	Upper
128	100	575735		
129	11.5	9.2	13.8	
127	13.2	10.6	16.0	

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



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



#32

Benzoic acid

Concen: 43.545 ng

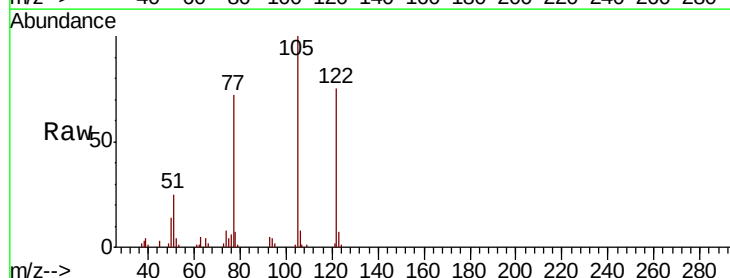
RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

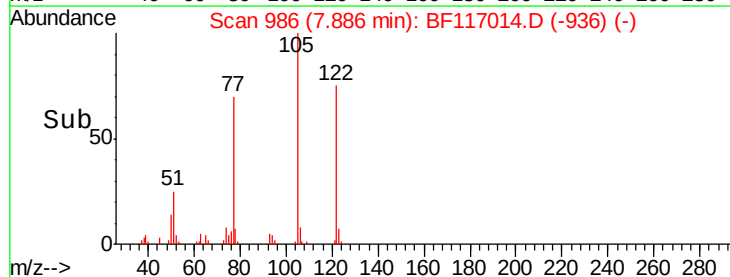
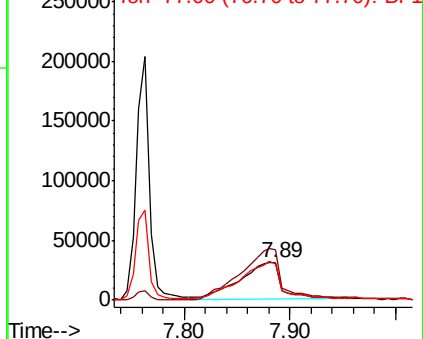
Lab File: BF117014.D

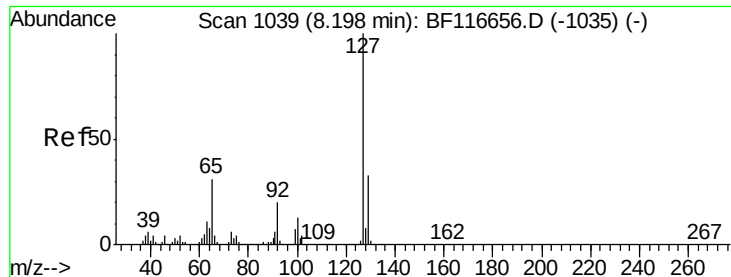
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	85520		
105	134.0	105.8	145.8	
77	96.0	74.3	114.3	



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





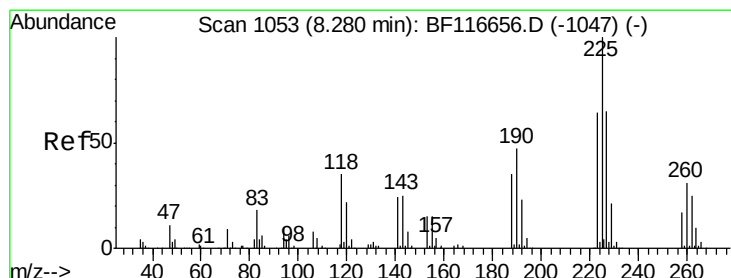
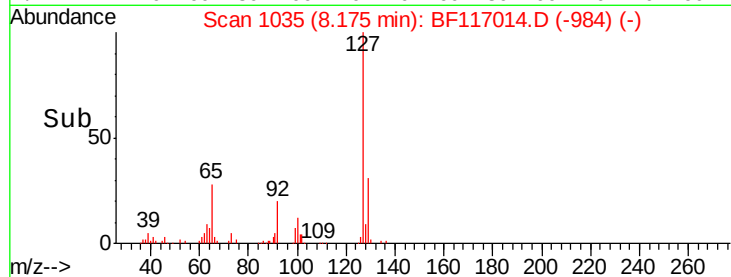
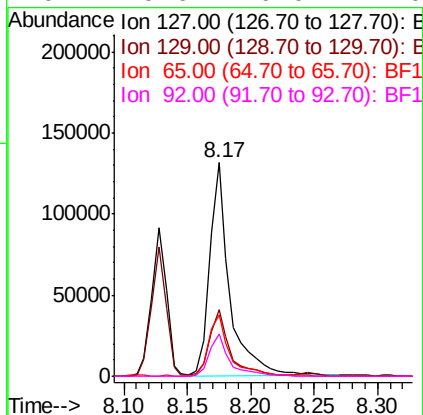
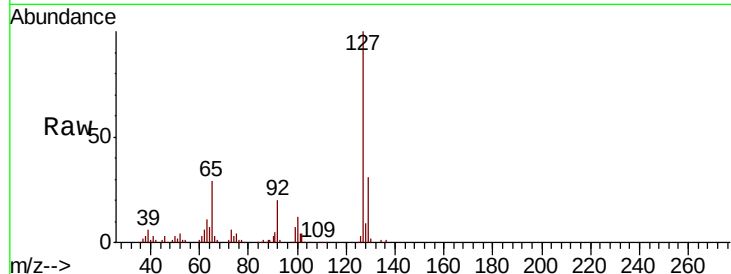
#33
 4-Chloroaniline
 Concen: 25.831 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.3	25.8	38.8		
65	28.9	25.3	37.9		
92	19.6	16.0	24.0		

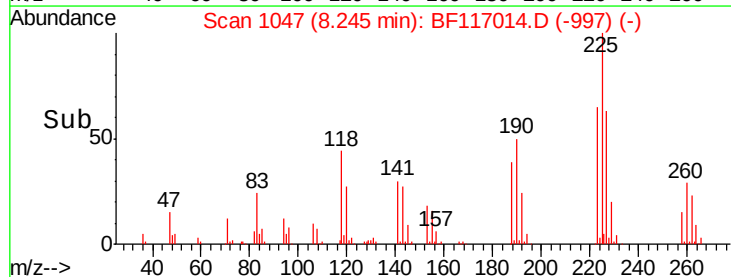
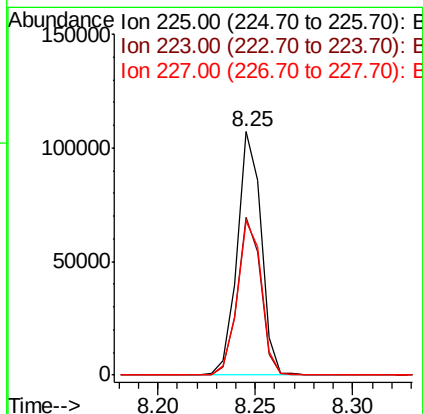
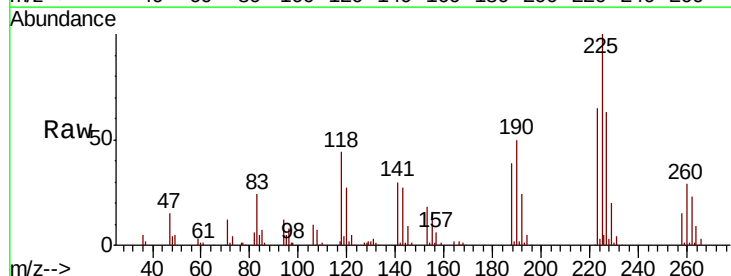
Manual Integrations
 APPROVED

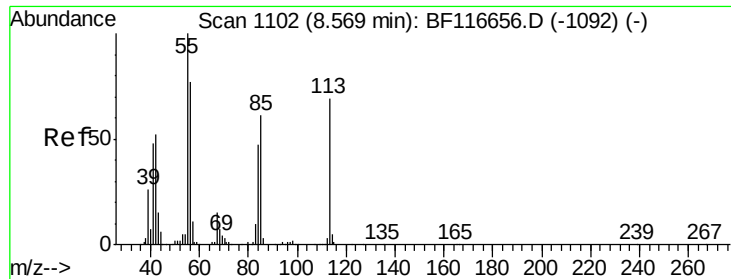
mohammad
 9/16/2019 9:00:07 AM



#34
 Hexachlorobutadiene
 Concen: 46.260 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.7	49.8	74.6		
227	63.4	50.6	75.8		





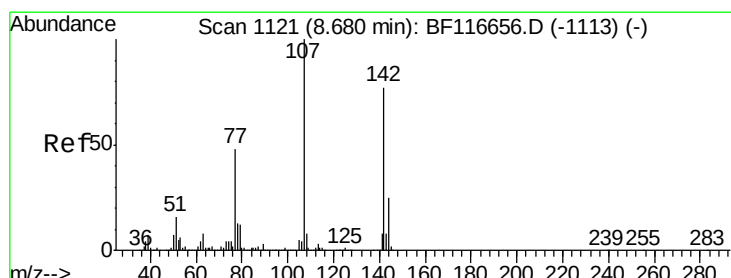
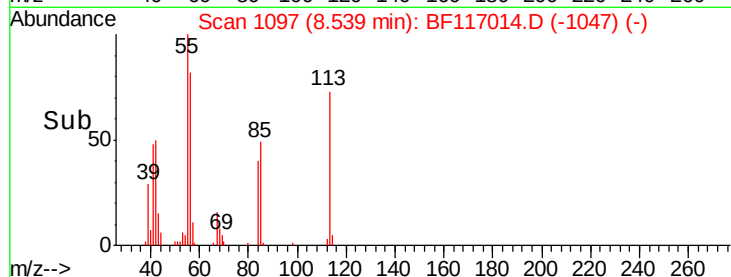
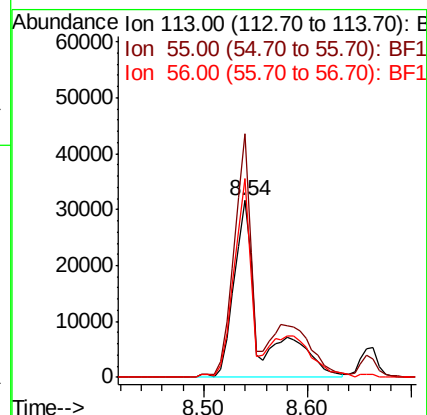
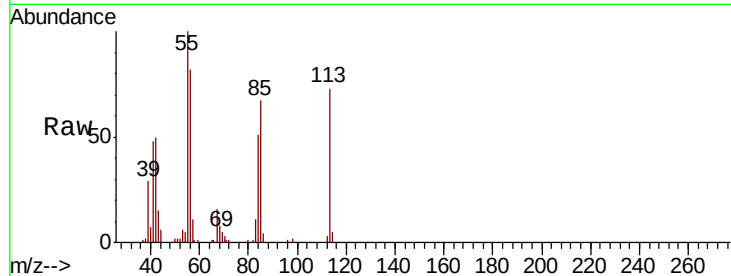
#35
 Caprolactam
 Concen: 45.181 ng/ml
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	137.8	116.6	156.6
56	112.7	91.3	131.3

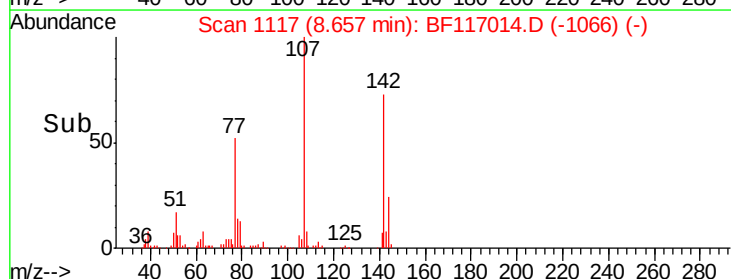
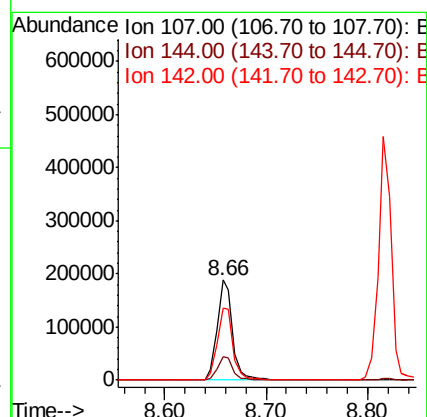
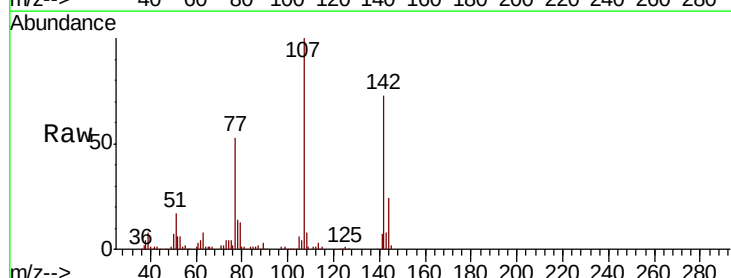
Manual Integrations
 APPROVED

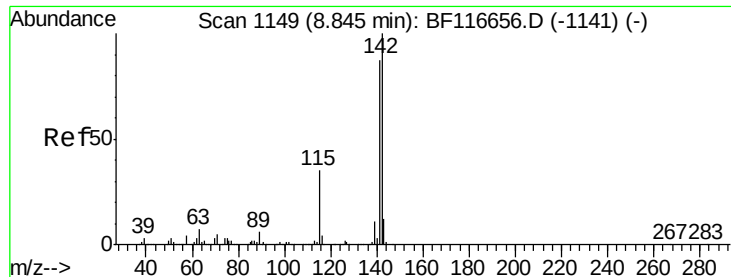
mohammad
 9/16/2019 9:00:07 AM



#36
 4-Chloro-3-methylphenol
 Concen: 52.078 ng/ml
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.8	18.6	28.0
142	72.6	55.9	83.9





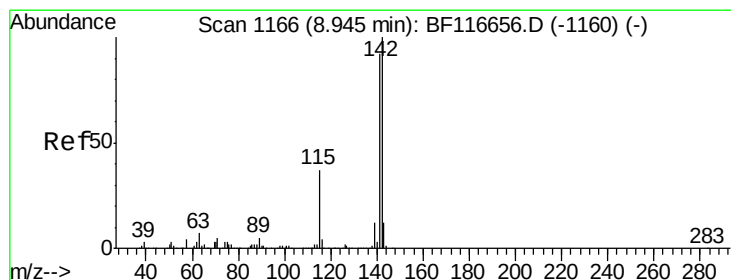
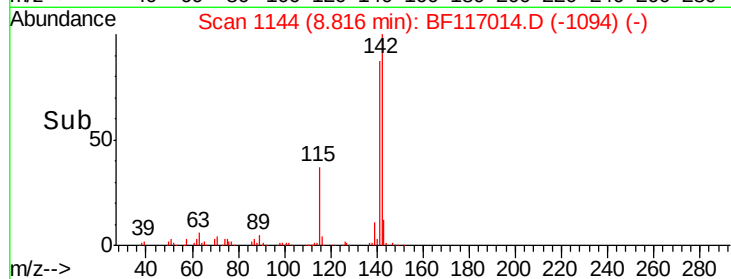
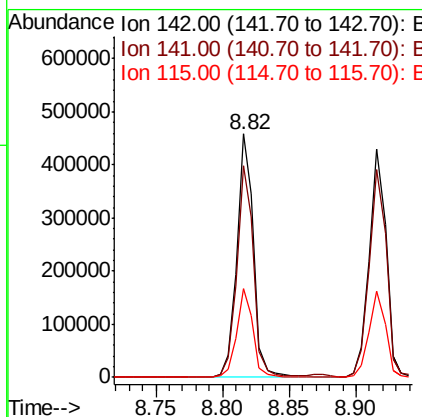
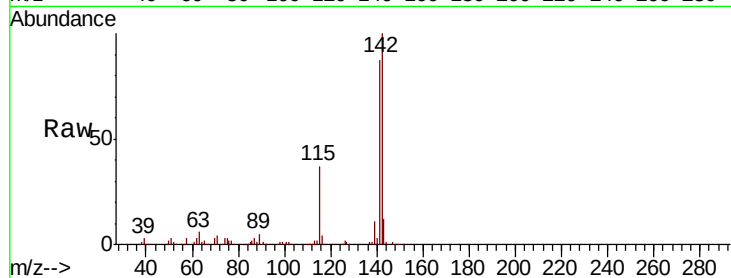
#37
2-Methylnaphthalene
Concen: 48.977 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	402916		
141	87.0		70.5	105.7
115	36.7		27.7	41.5

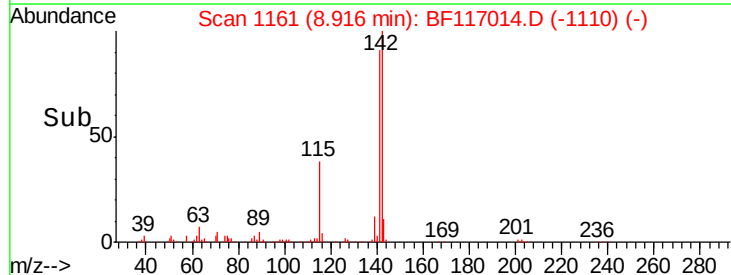
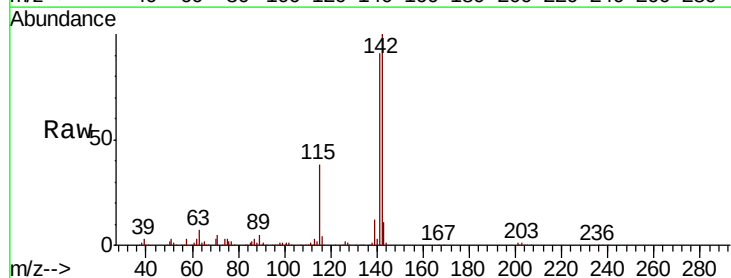
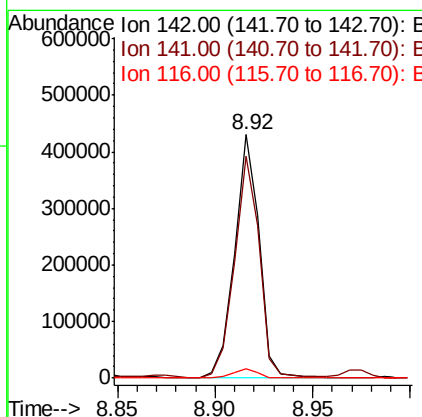
Manual Integrations
APPROVED

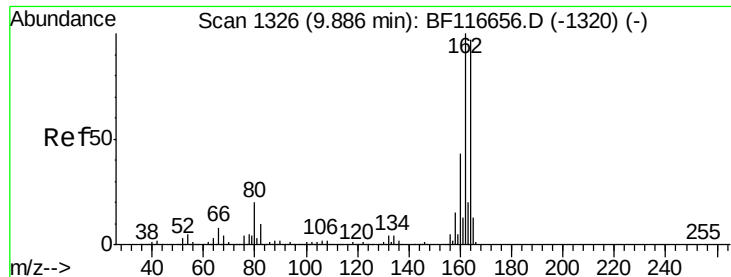
mohammad
9/16/2019 9:00:07 AM



#38
1-Methylnaphthalene
Concen: 47.670 ng
RT: 8.92 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	370197		
141	91.1		71.9	107.9
116	3.9		3.2	4.8





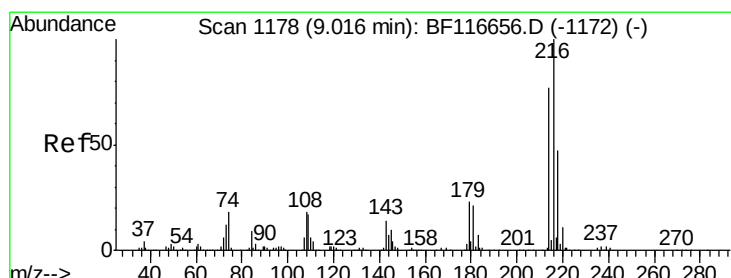
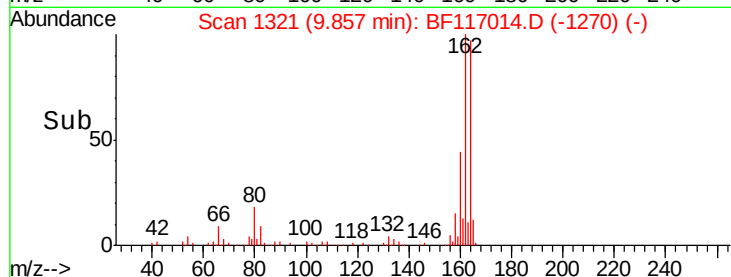
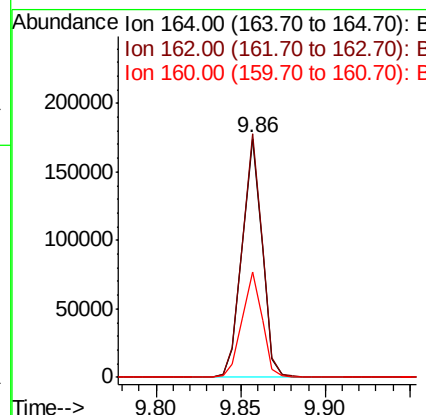
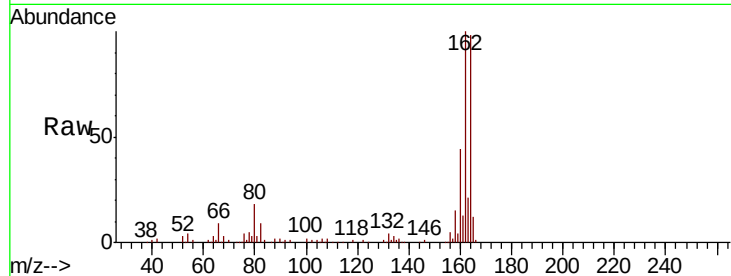
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.8	122.6	
160	44.4	35.7	53.5	

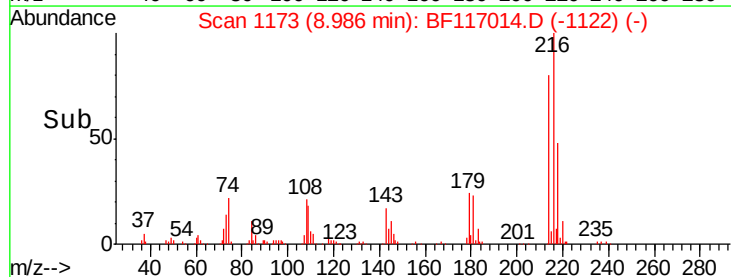
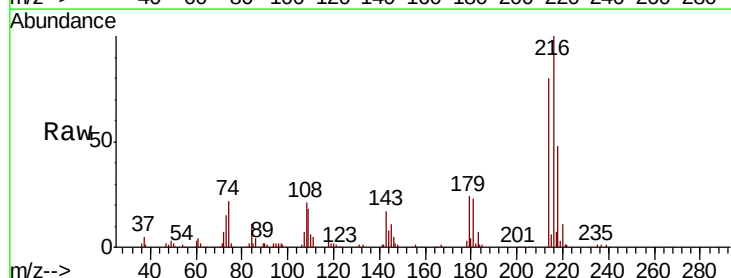
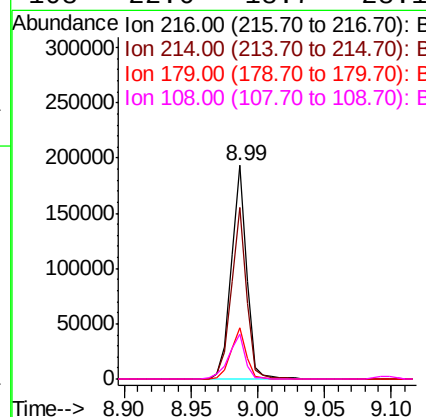
Manual Integrations
APPROVED

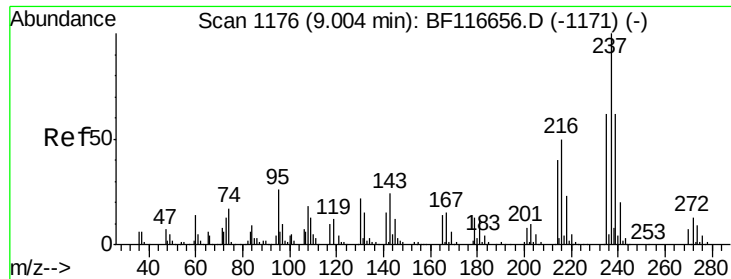
mohammad
9/16/2019 9:00:07 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.184 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	63.4	95.2	
179	23.2	19.3	28.9	
108	22.6	18.7	28.1	





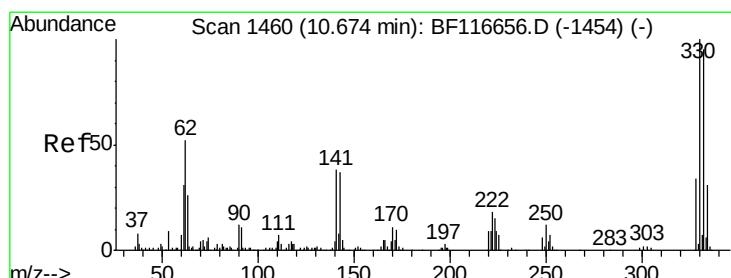
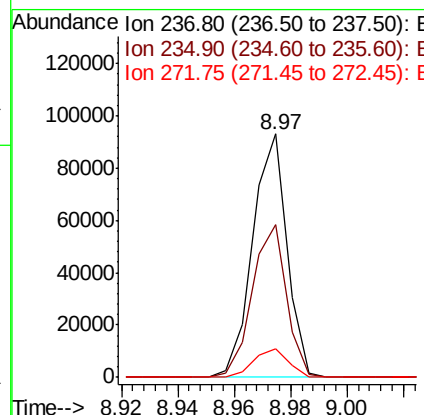
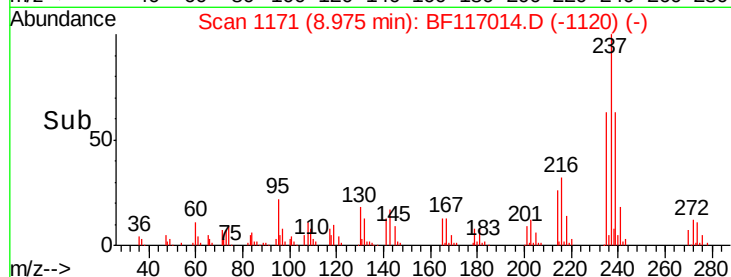
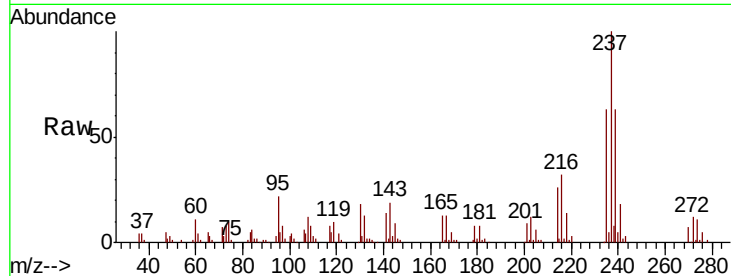
#41
 Hexachlorocyclopentadiene
 Concen: 39.336 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion:	237	Resp:	78089
Ion Ratio	Lower	Upper	
237	100		
235	62.8	45.8	85.8
272	11.9	0.0	33.4

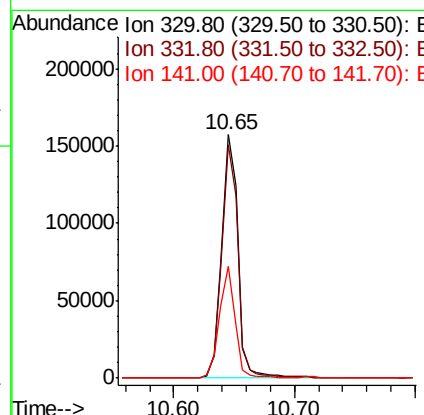
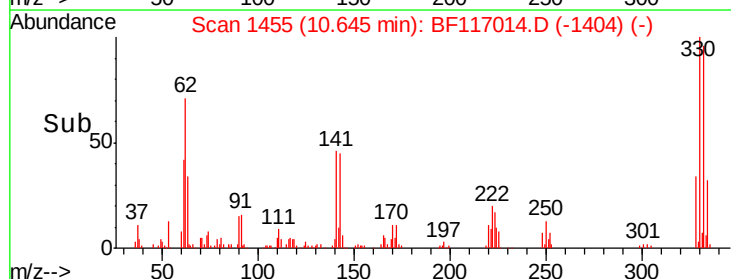
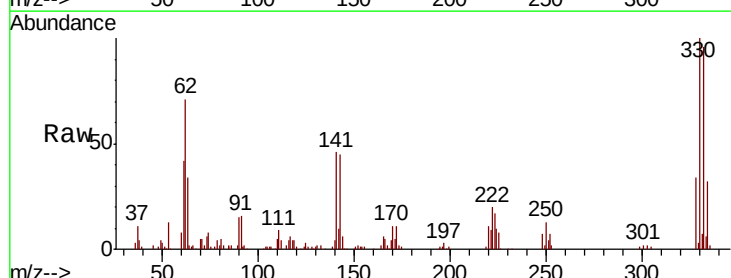
Manual Integrations
 APPROVED

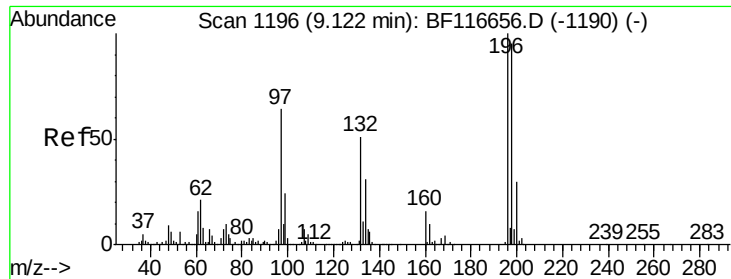
mohammad
 9/16/2019 9:00:07 AM



#42
 2,4,6-Tribromophenol
 Concen: 151.976 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion:	330	Resp:	145700
Ion Ratio	Lower	Upper	
330	100		
332	95.6	75.9	113.9
141	44.0	35.6	53.4





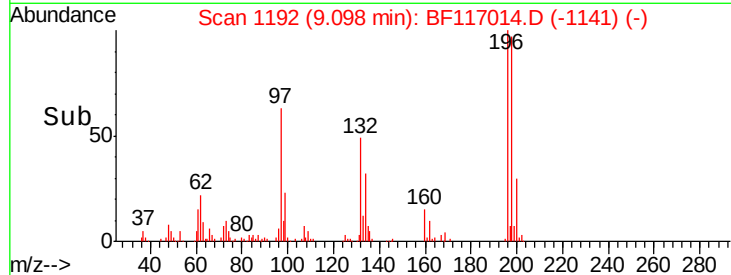
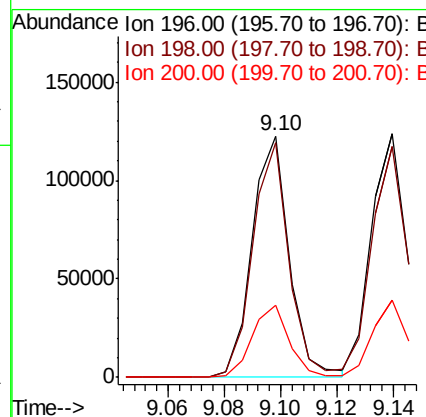
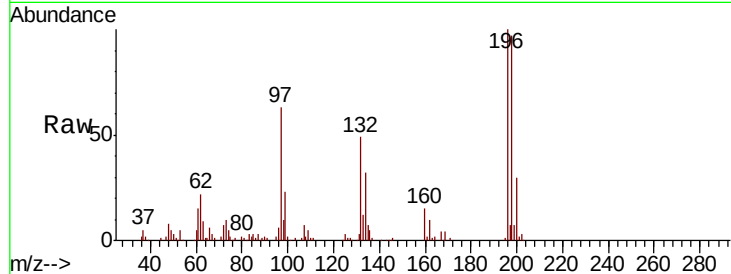
#43
 2,4,6-Trichlorophenol
 Concen: 47.572 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion:	196	Resp:	112106
Ion Ratio	Lower	Upper	
196	100		
198	97.2	77.4	116.0
200	30.1	24.1	36.1

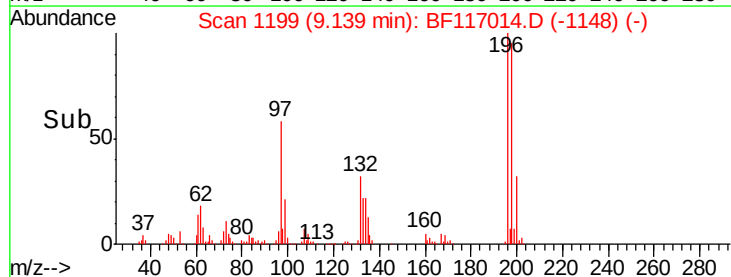
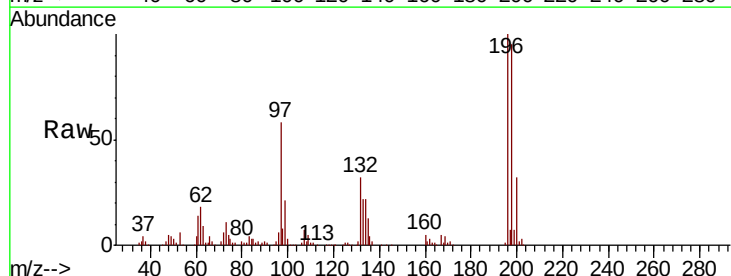
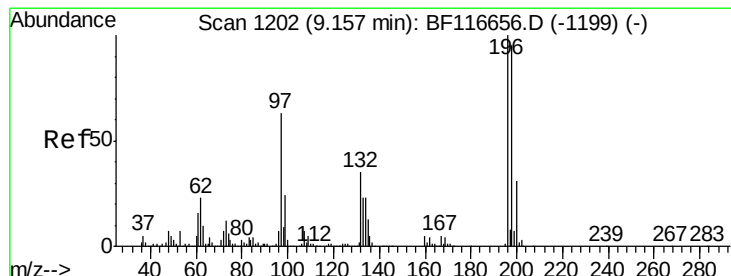
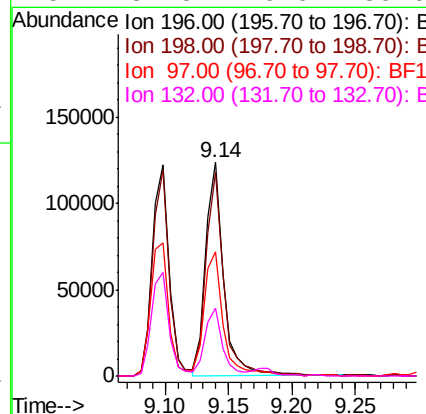
Manual Integrations
 APPROVED

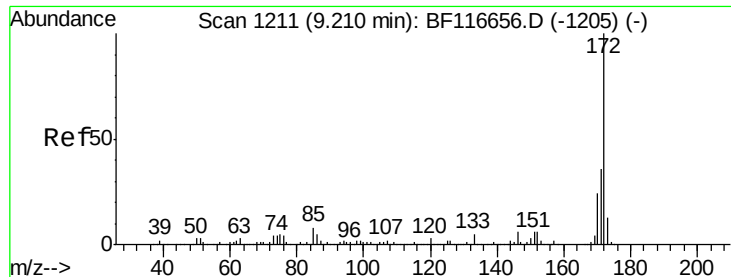
mohammad
 9/16/2019 9:00:07 AM



#44
 2,4,5-Trichlorophenol
 Concen: 49.705 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion:	196	Resp:	121603
Ion Ratio	Lower	Upper	
196	100		
198	95.0	74.7	112.1
97	58.4	45.4	68.0
132	31.8	26.0	39.0





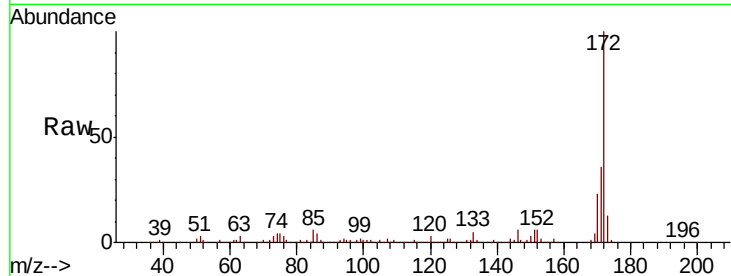
#45
2-Fluorobiphenyl
Concen: 78.011 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.2	29.1	43.7
170	23.5	19.2	28.8

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM

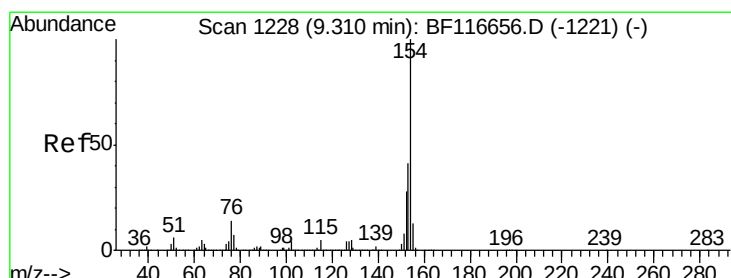
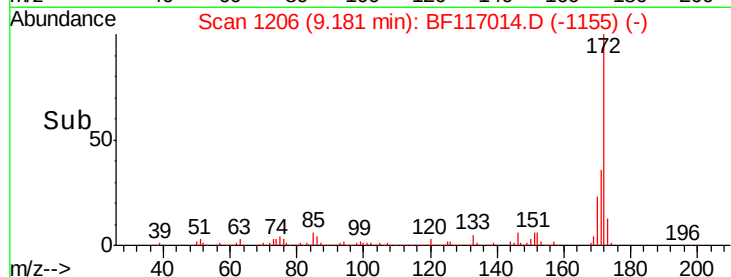
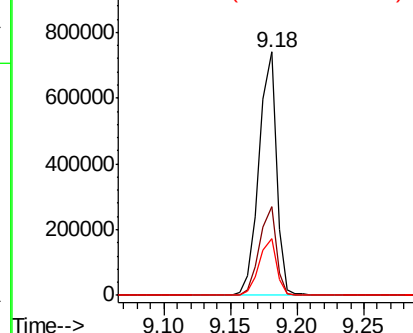


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.166 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

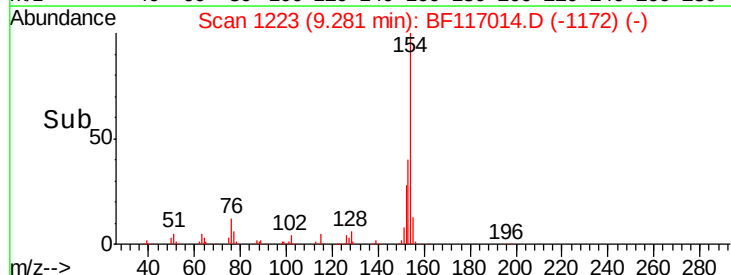
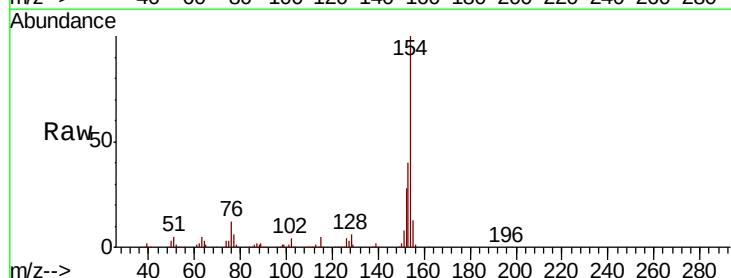
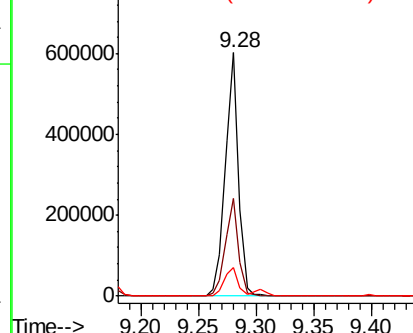
Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	40.2	19.8	59.8
76	11.7	0.0	32.8

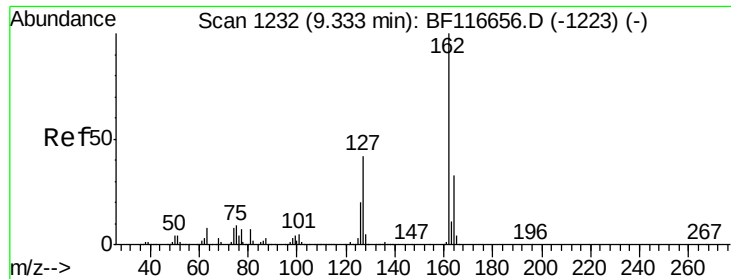
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





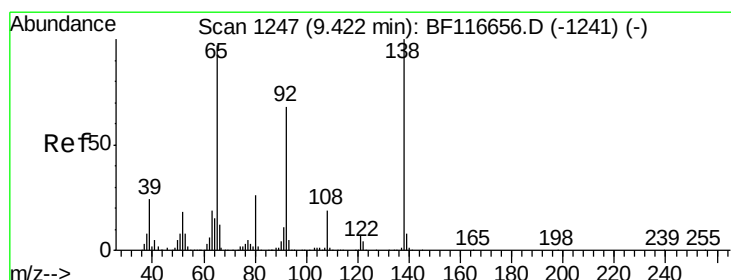
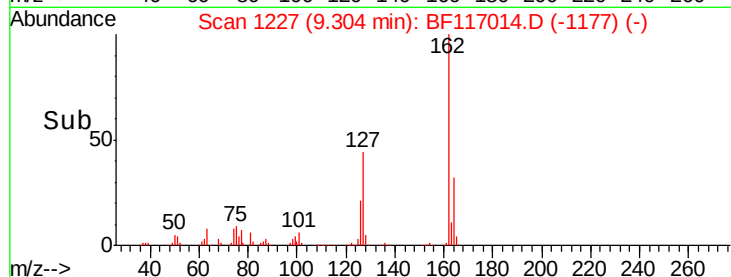
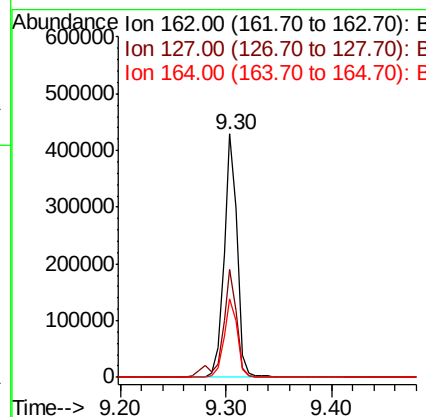
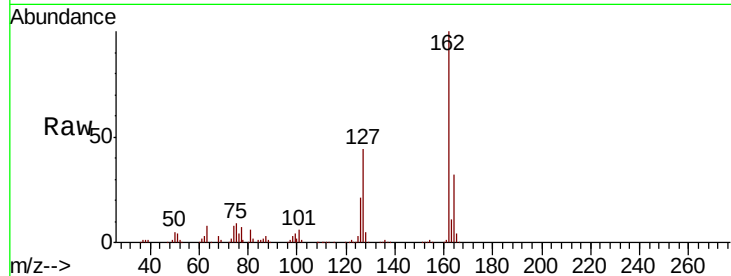
#47
2-Chloronaphthalene
Concen: 43.590 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	375694		
127	44.5	32.7	49.1	
164	32.4	27.0	40.4	

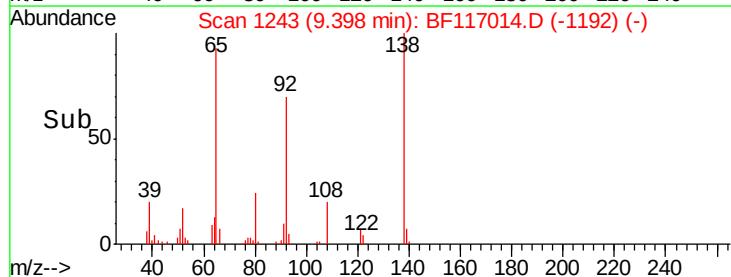
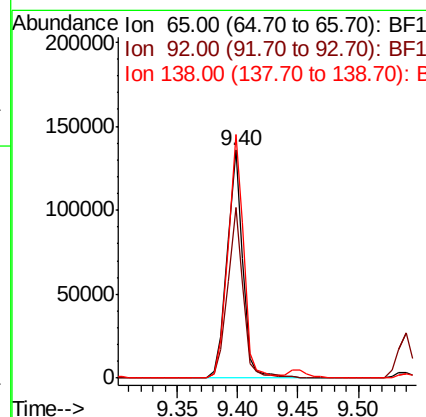
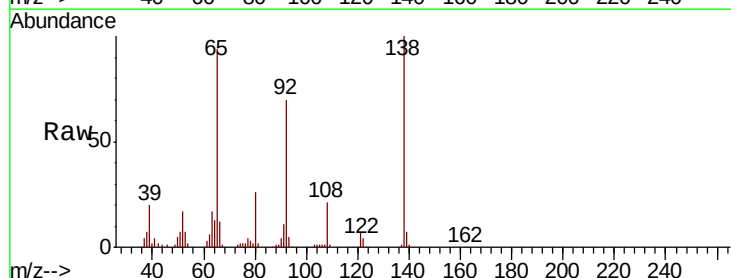
Manual Integrations
APPROVED

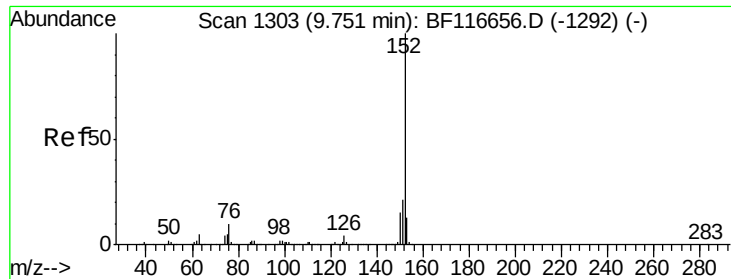
mohammad
9/16/2019 9:00:07 AM



#48
2-Nitroaniline
Concen: 48.801 ng
RT: 9.40 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	121599		
92	74.7	59.0	88.6	
138	106.8	84.2	126.2	





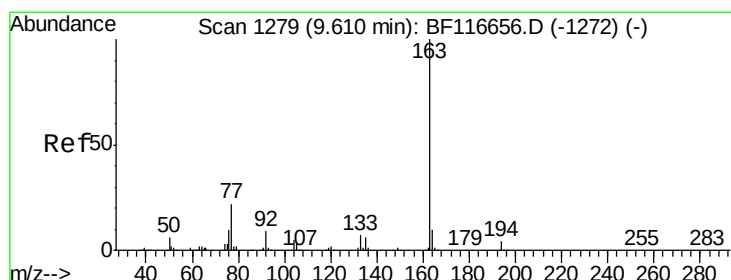
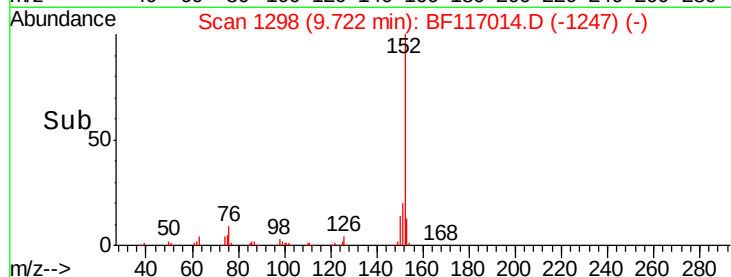
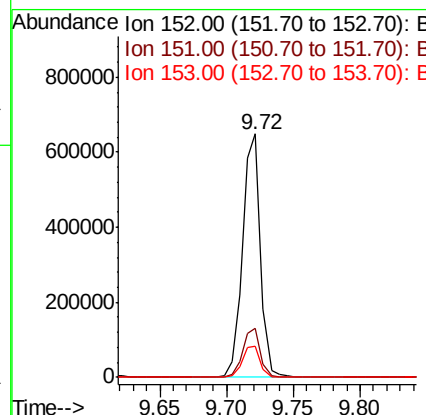
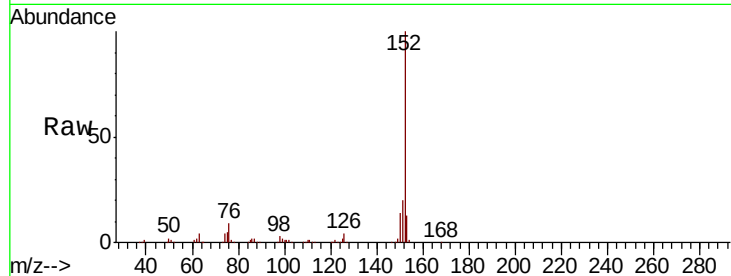
#49
Acenaphthylene
Concen: 46.557 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.0	10.3	15.5

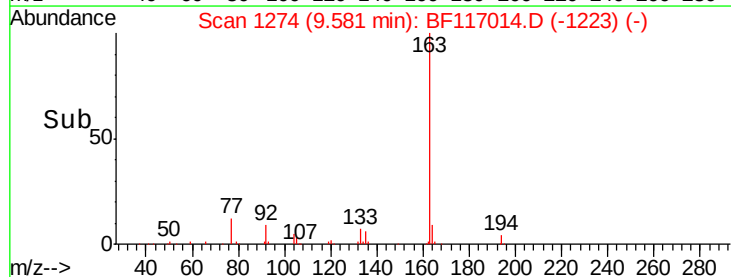
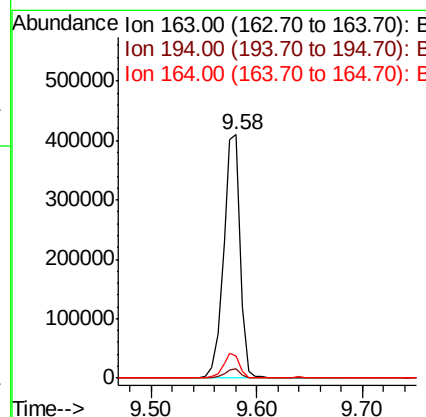
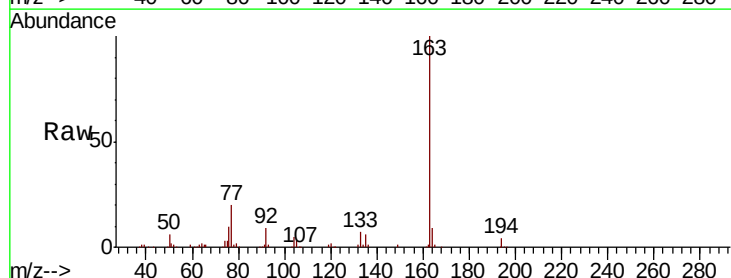
Manual Integrations
APPROVED

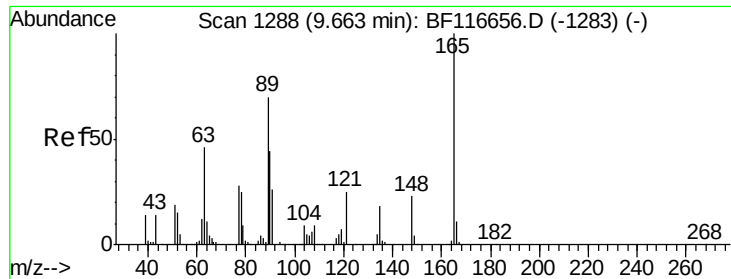
mohammad
9/16/2019 9:00:07 AM



#50
Dimethylphthalate
Concen: 45.579 ng
RT: 9.58 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.3	8.2	12.4





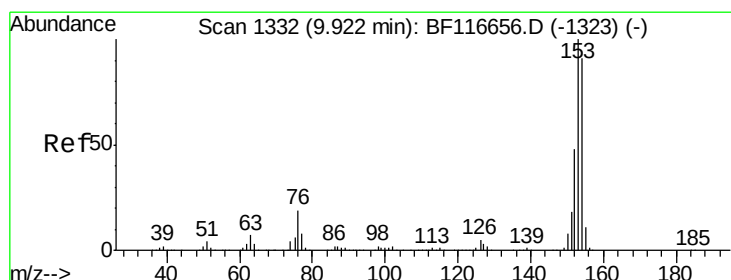
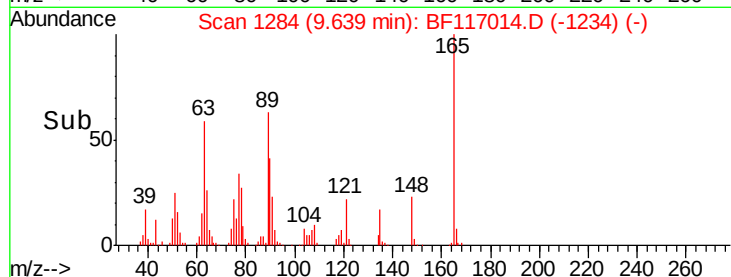
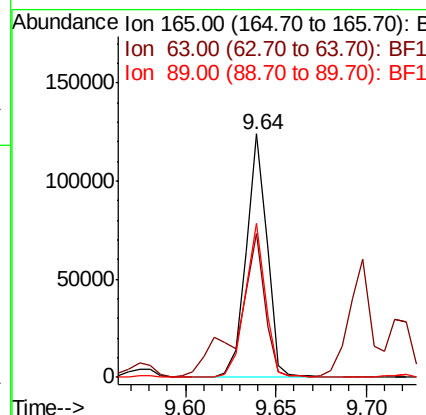
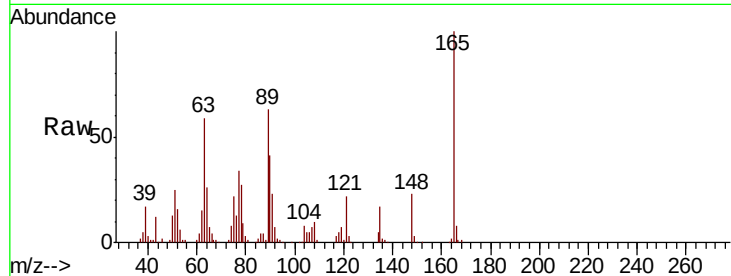
#51
2,6-Dinitrotoluene
Concen: 52.429 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	59.0	38.0	57.0	
89	63.3	44.1	66.1	

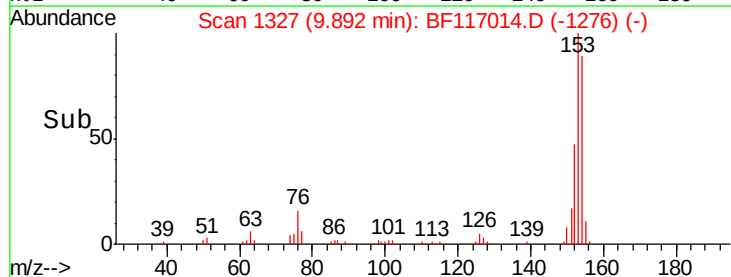
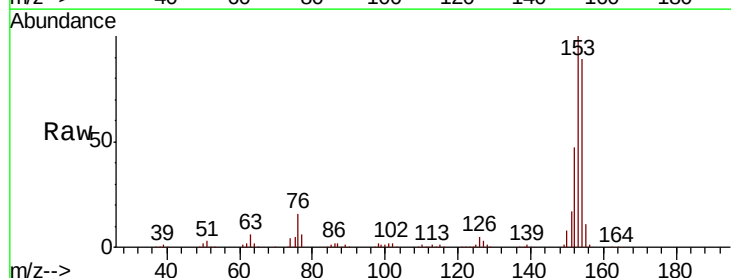
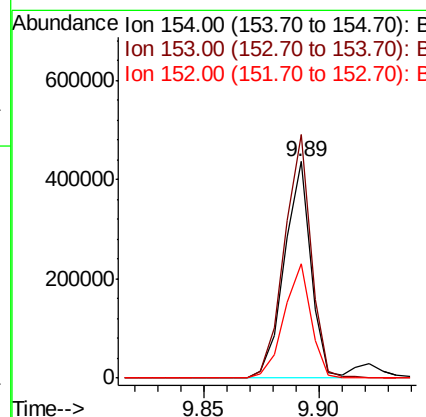
Manual Integrations
APPROVED

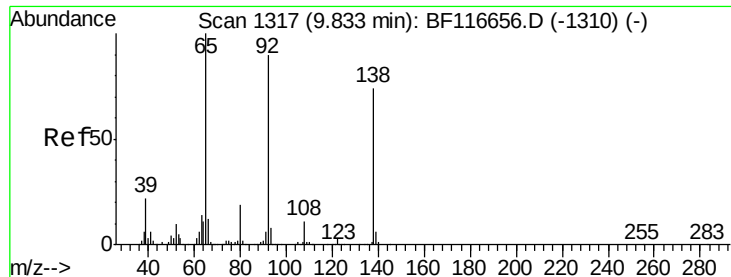
mohammad
9/16/2019 9:00:07 AM



#52
Acenaphthene
Concen: 43.157 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.5	89.9	134.9	
152	53.1	42.6	63.8	





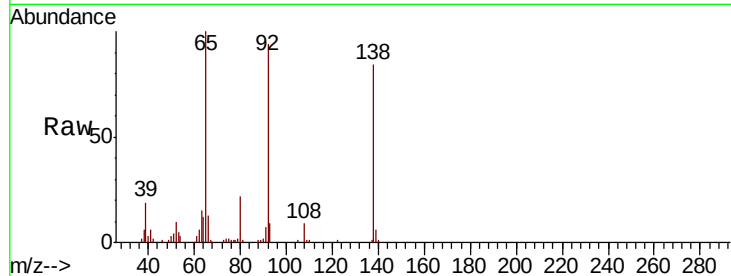
#53
3-Nitroaniline
Concen: 36.909 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.3	13.9
92	112.8	98.9	148.3

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM

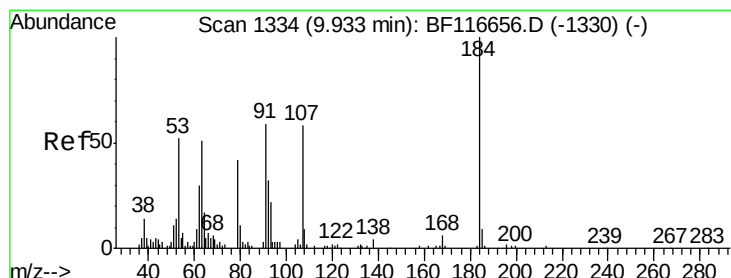
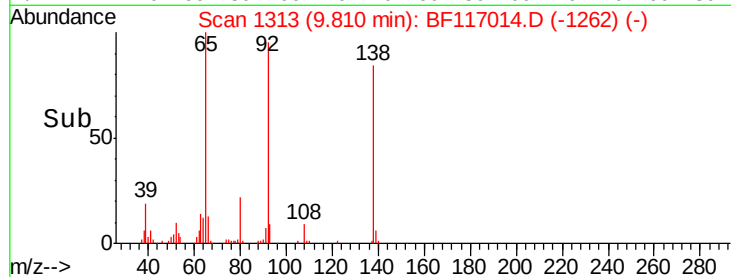
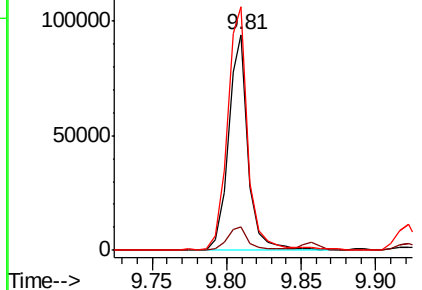


Abundance

Ion 138.00 (137.70 to 138.70): E

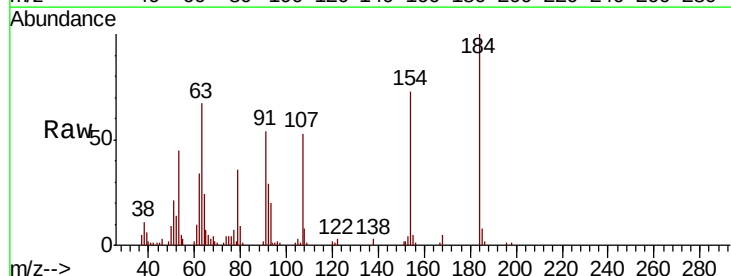
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 60.209 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.4	49.0	73.4
154	73.4	58.3	87.5

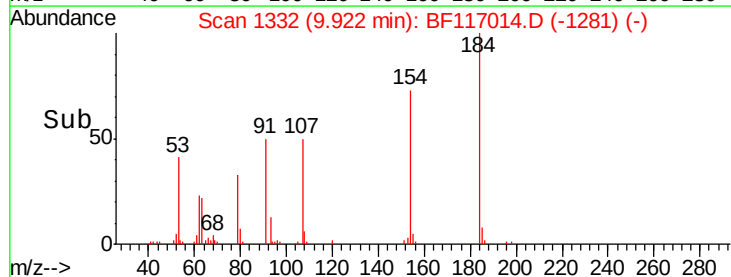
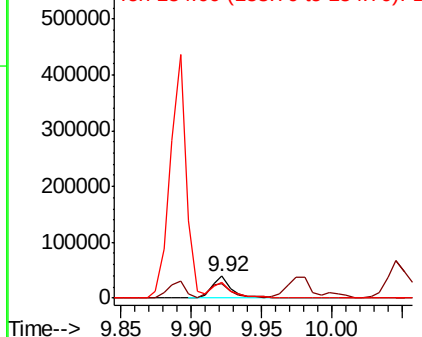


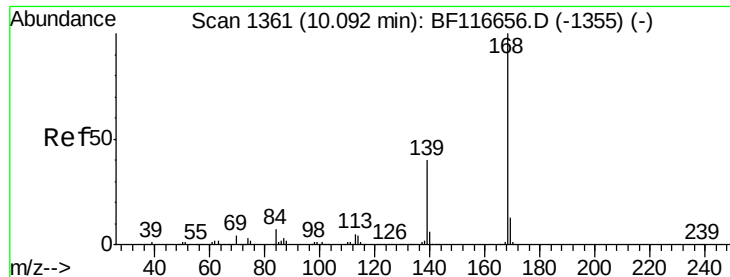
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 47.626 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

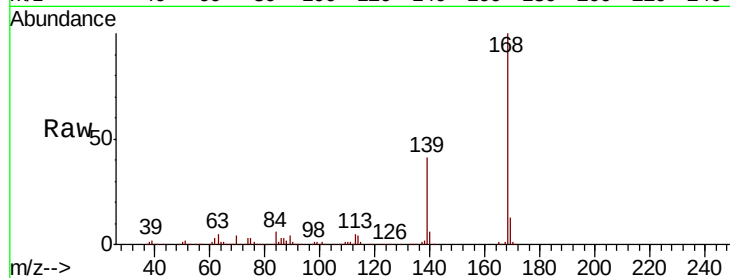
ClientSampleId :

PB122826BS

Tot Ion:	168	Resp:	537457
Ion Ratio	Lower	Upper	
168	100		
139	41.4	34.2	51.4
169	13.4	11.0	16.4

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM

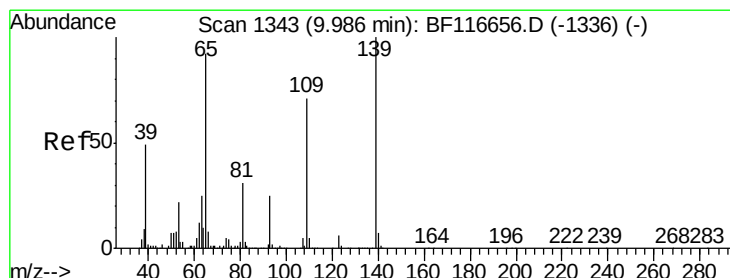
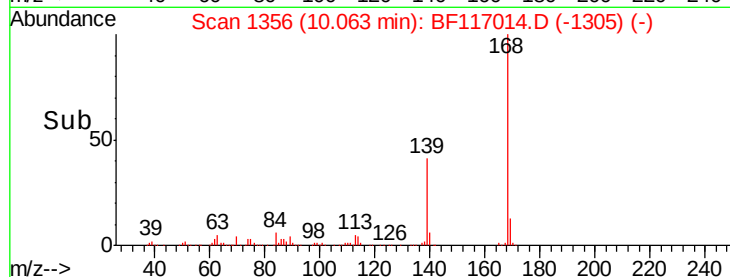
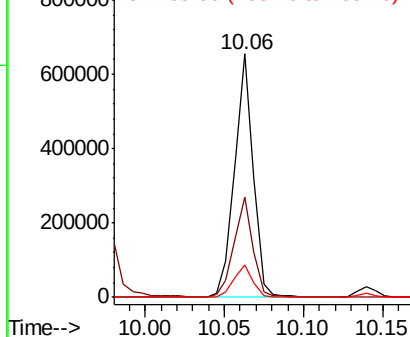


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 97.626 ng

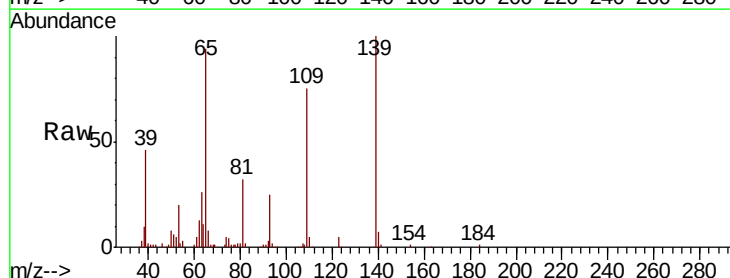
RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	139	Resp:	158467
Ion Ratio	Lower	Upper	
139	100		
109	75.1	54.0	94.0
65	94.2	74.0	114.0

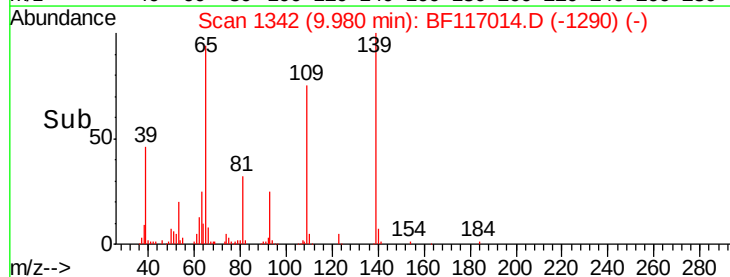
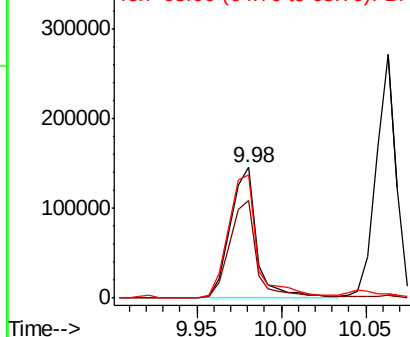


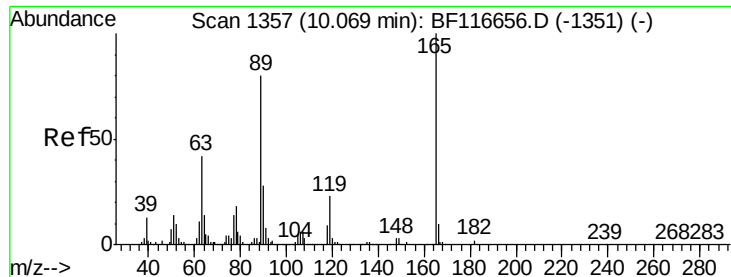
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





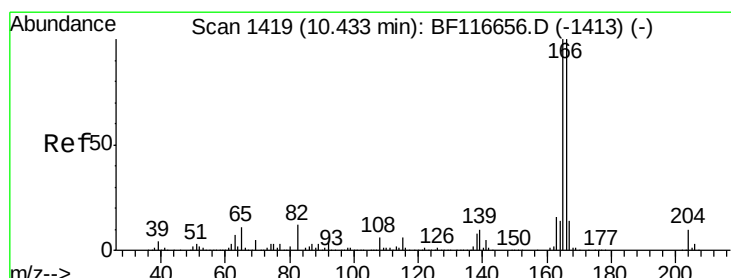
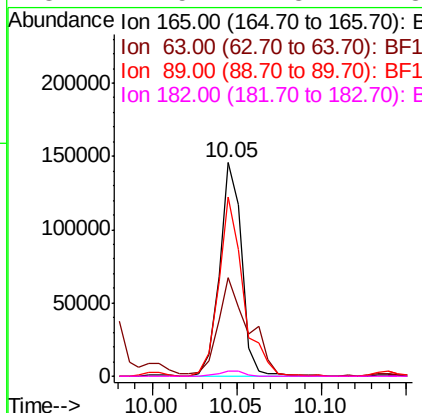
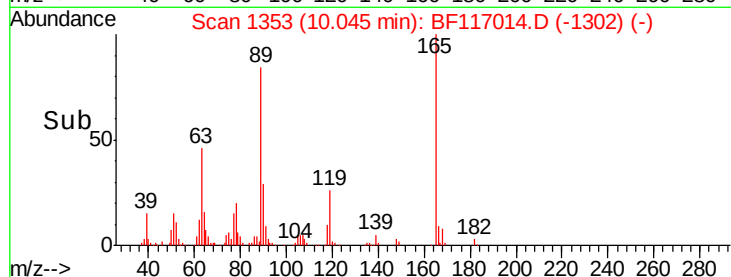
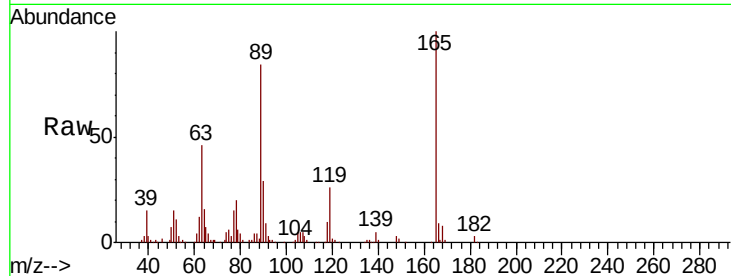
#57
 2,4-Dinitrotoluene
 Concen: 57.533 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		132889		
63	46.0	36.2	54.2		
89	83.8	66.1	99.1		
182	2.5	1.8	2.8		

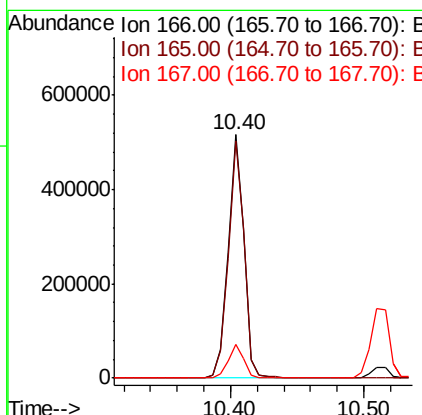
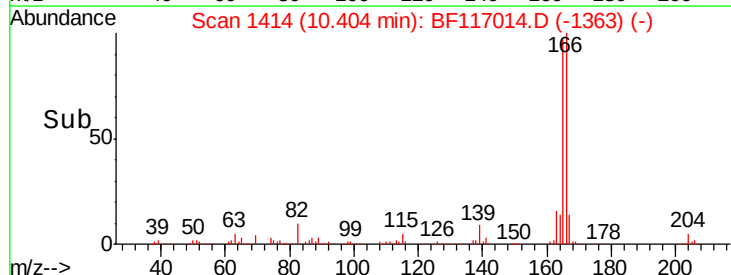
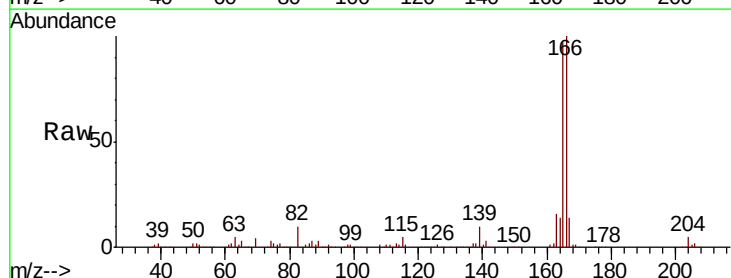
Manual Integrations
 APPROVED

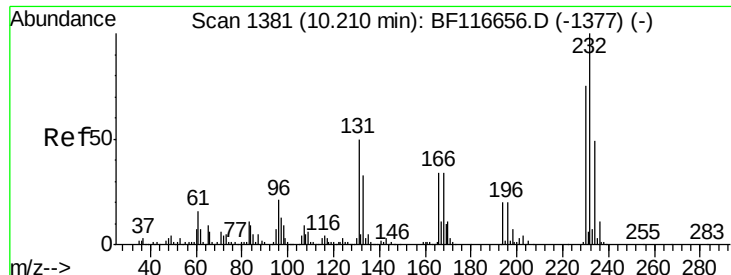
mohammad
 9/16/2019 9:00:07 AM



#58
 Fluorene
 Concen: 50.354 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		432979		
165	97.3	77.0	115.6		
167	13.7	10.7	16.1		





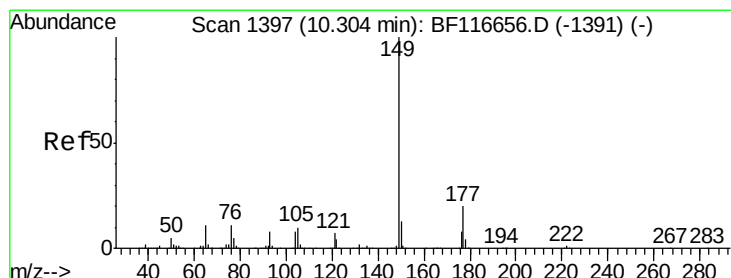
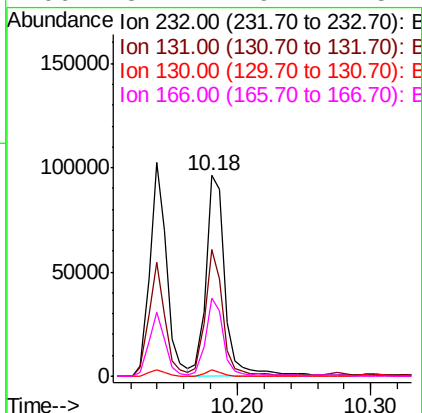
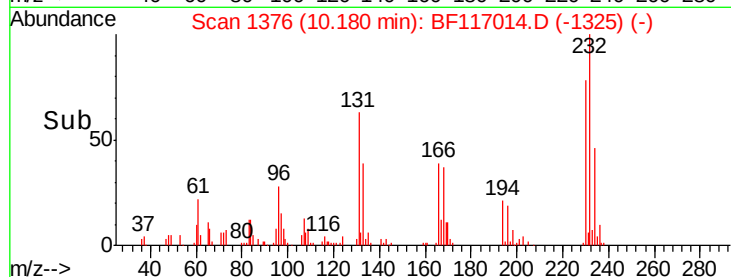
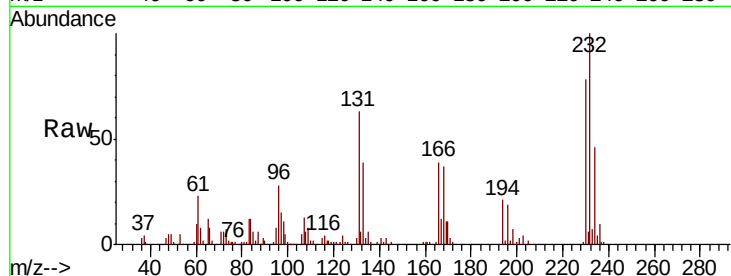
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.041 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	95420		
131	58.1	46.1	69.1	
130	2.6	2.2	3.4	
166	37.4	29.1	43.7	

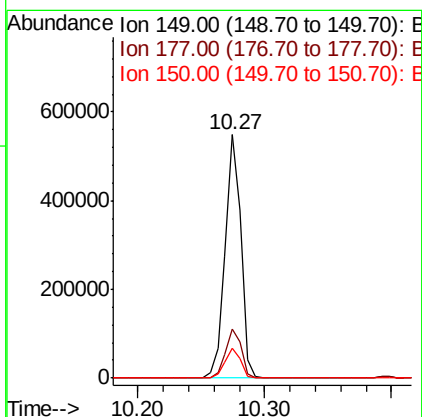
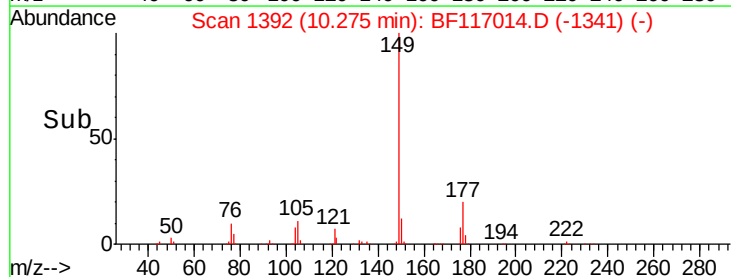
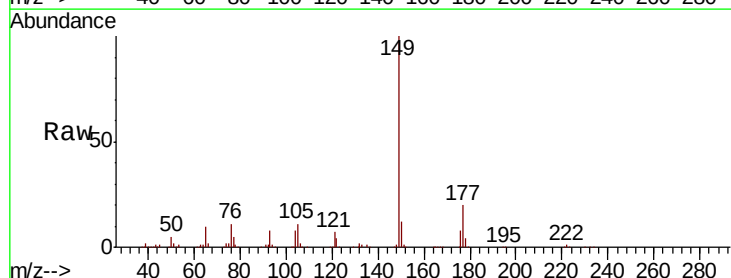
Manual Integrations
APPROVED

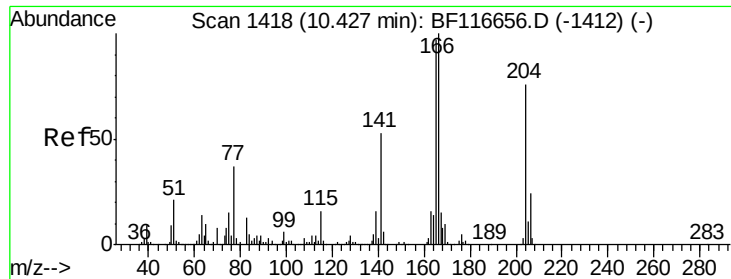
mohammad
9/16/2019 9:00:07 AM



#60
Diethylphthalate
Concen: 47.543 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	471513		
177	20.1	15.9	23.9	
150	12.5	10.0	15.0	





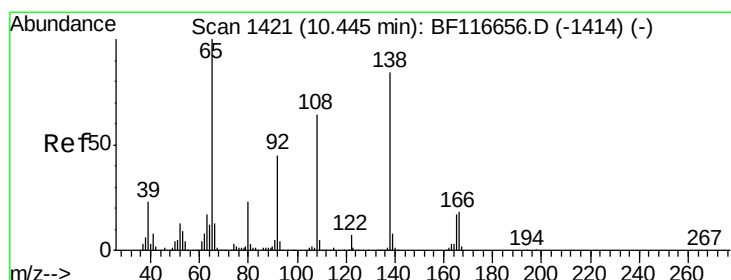
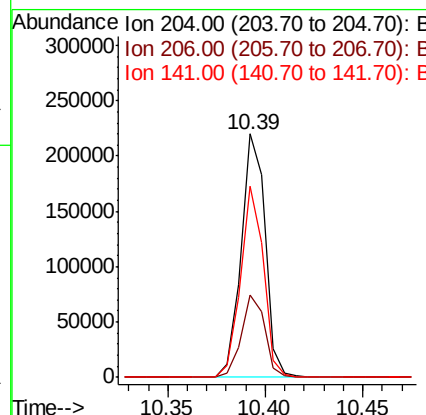
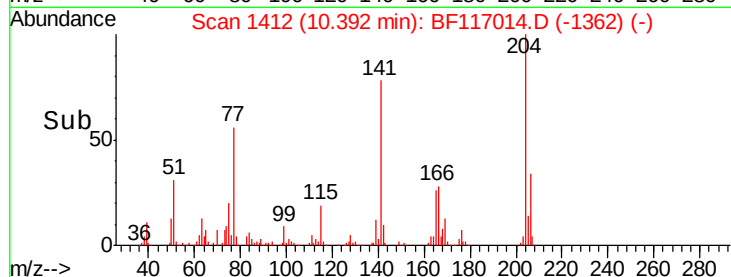
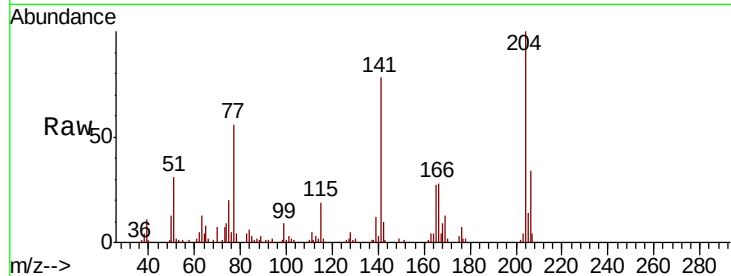
#61
4-Chlorophenyl-phenylether
Concen: 49.760 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampled :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	187366		
206	33.7	26.2	39.2	
141	78.3	58.0	87.0	

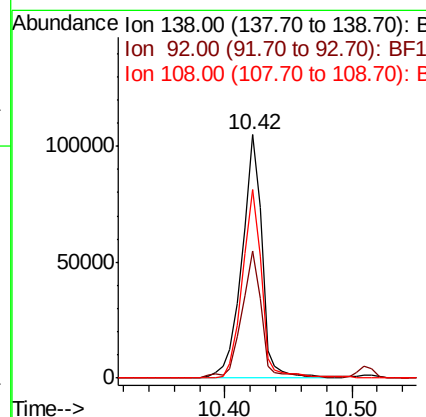
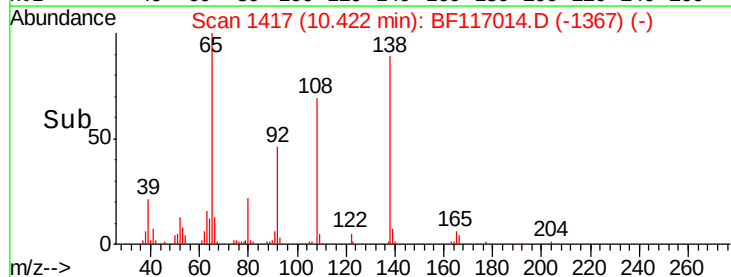
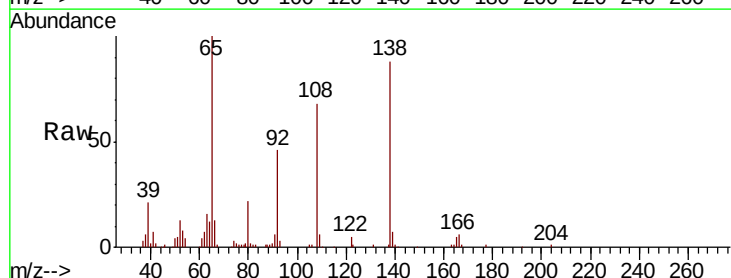
Manual Integrations
APPROVED

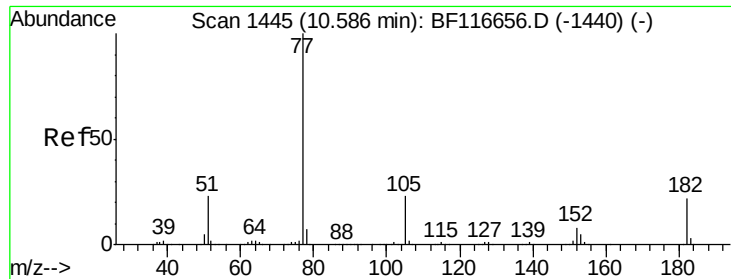
mohammad
9/16/2019 9:00:07 AM



#62
4-Nitroaniline
Concen: 49.974 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	114809		
92	52.0	31.0	71.0	
108	77.4	59.1	99.1	





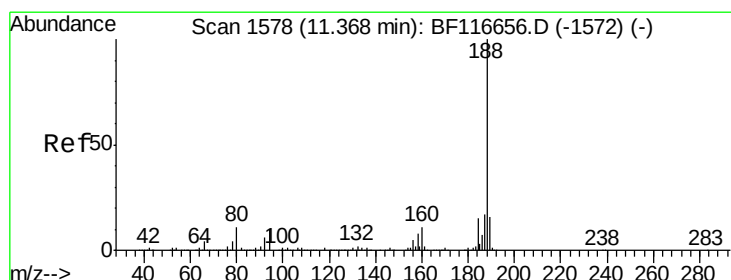
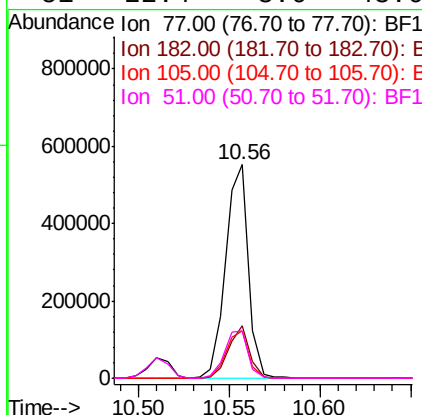
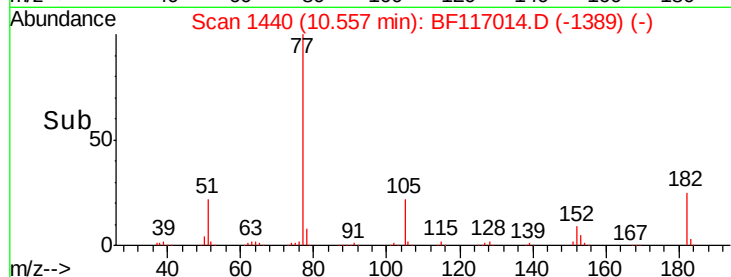
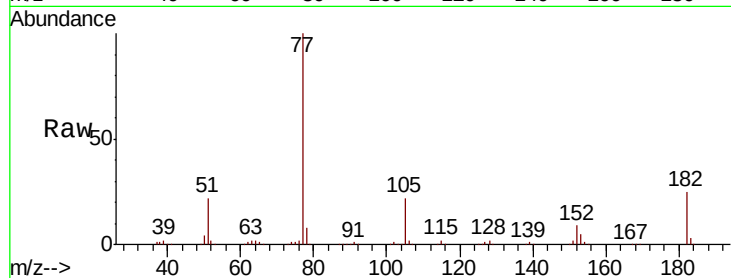
#63
Azobenzene
Concen: 46.443 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		480278		
182	24.6	1.9	41.9		
105	22.3	1.5	41.5		
51	22.4	3.6	43.6		

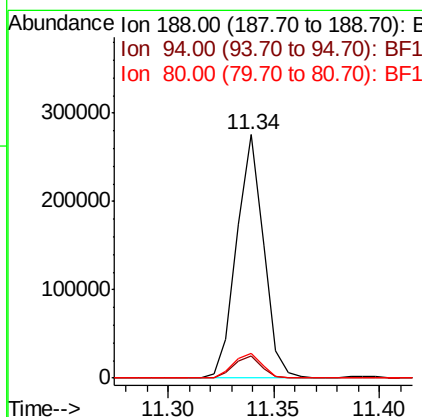
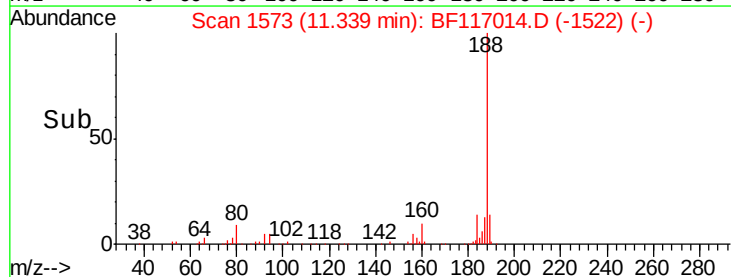
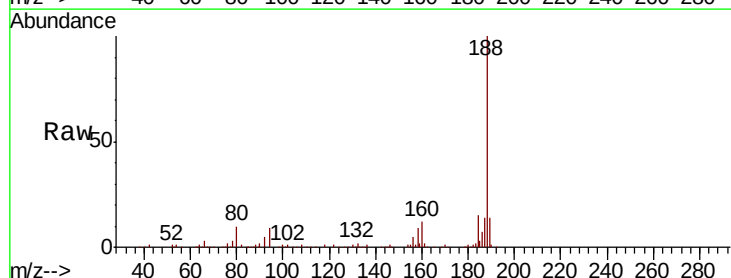
Manual Integrations
APPROVED

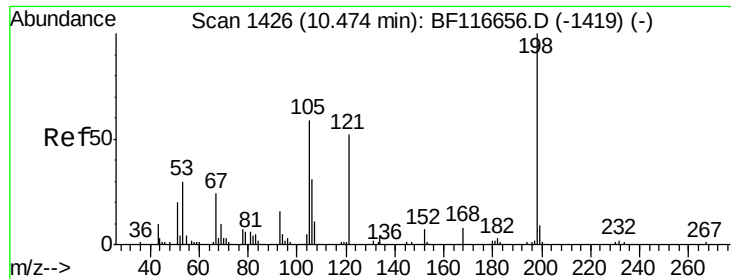
mohammad
9/16/2019 9:00:07 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		243293		
94	9.3	7.4	11.2		
80	10.0	8.5	12.7		





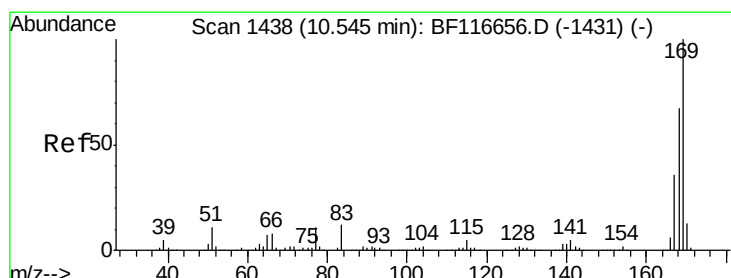
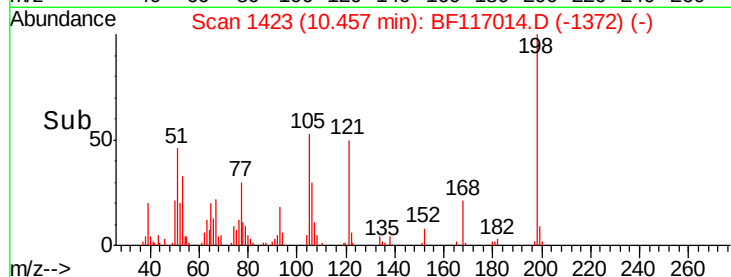
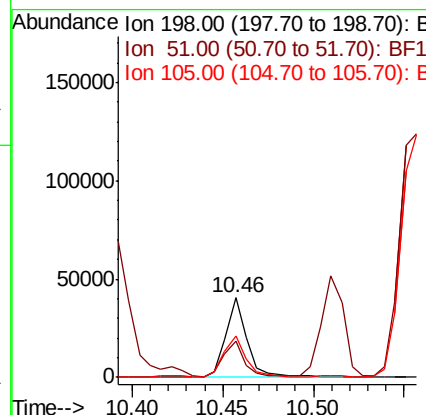
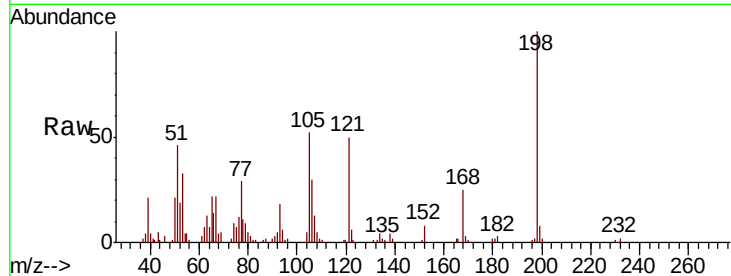
#65
4,6-Dinitro-2-methylphenol
Concen: 39.155 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	33628		
51	46.0	26.3	66.3	
105	52.3	40.0	80.0	

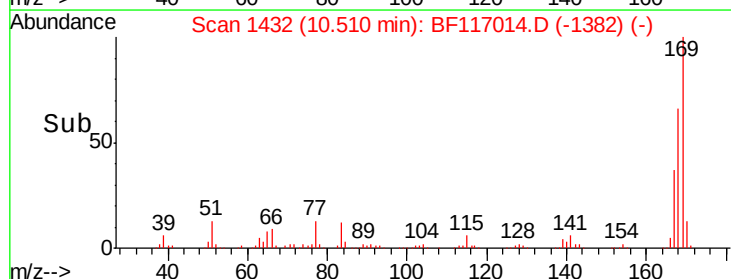
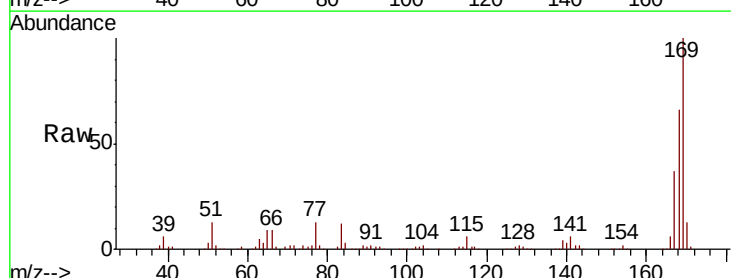
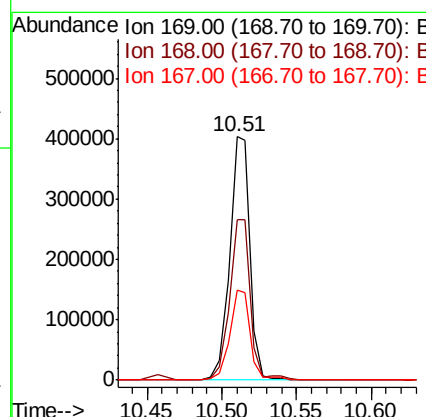
Manual Integrations
APPROVED

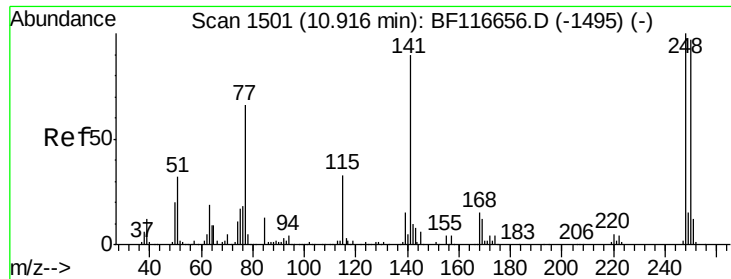
mohammad
9/16/2019 9:00:07 AM



#66
n-Nitrosodiphenylamine
Concen: 46.106 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	388046		
168	65.7	53.5	80.3	
167	36.8	28.7	43.1	





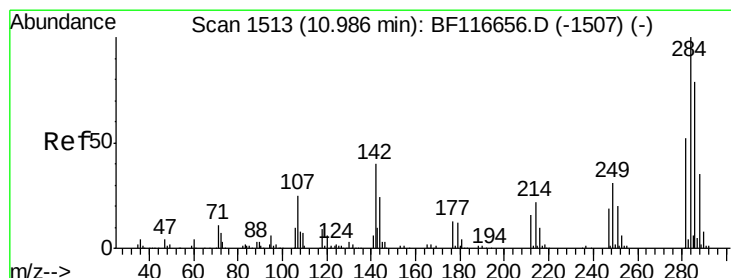
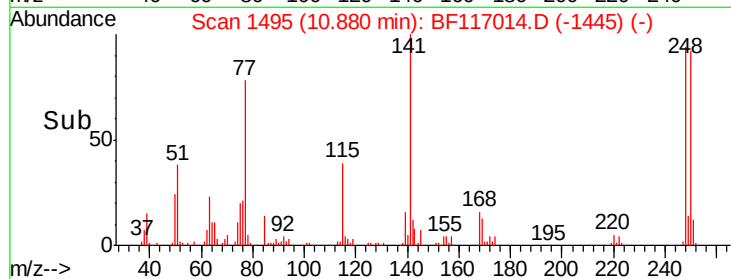
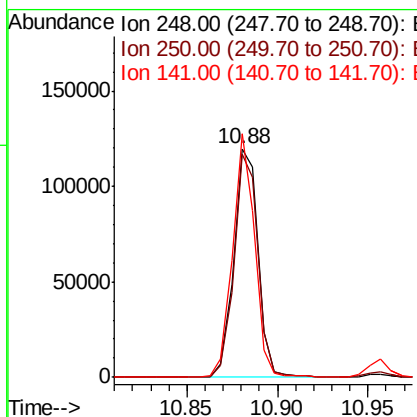
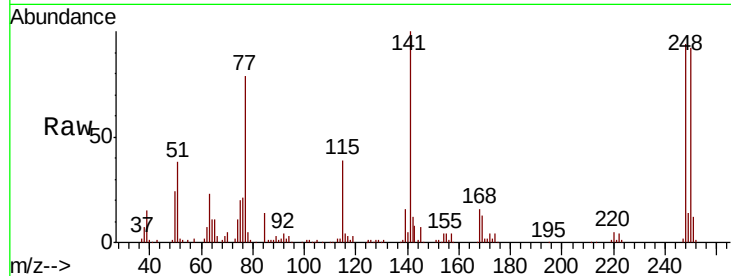
#67
 4-Bromophenyl-phenylether
 Concen: 45.020 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.0	115.4
141	106.6	70.2	105.2#

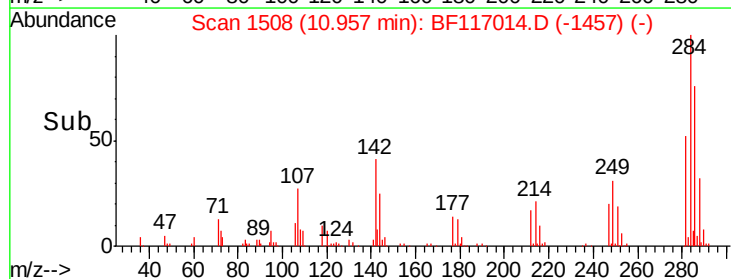
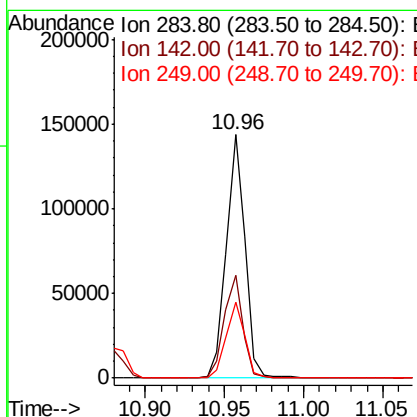
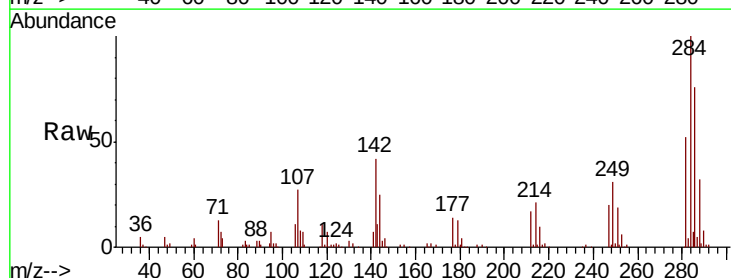
Manual Integrations
 APPROVED

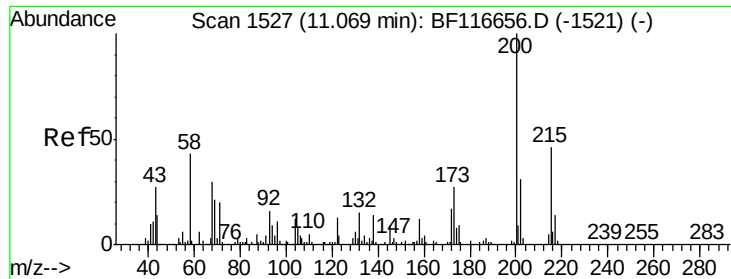
mohammad
 9/16/2019 9:00:07 AM



#68
 Hexachlorobenzene
 Concen: 45.542 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	42.0	37.2	55.8
249	31.2	25.9	38.9





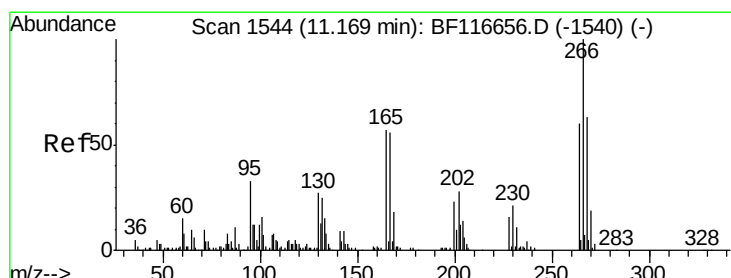
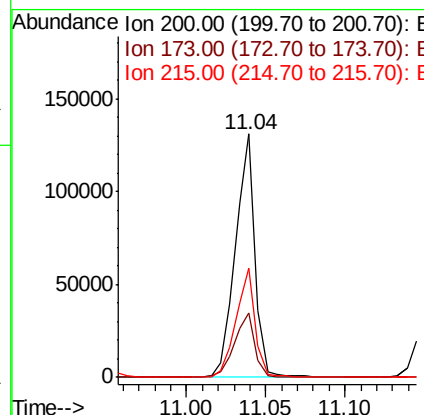
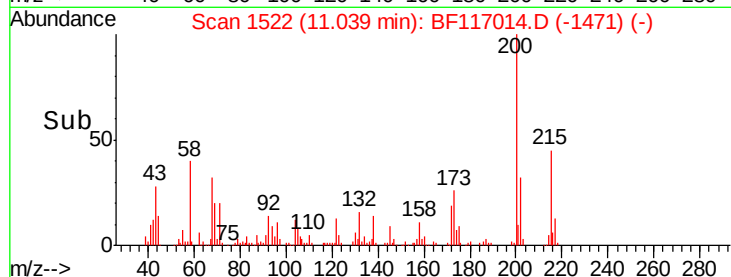
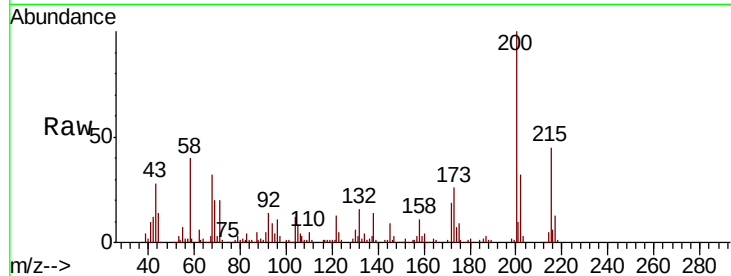
#69
Atrazine
Concen: 47.489 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.0	47.0
215	44.9	22.9	62.9

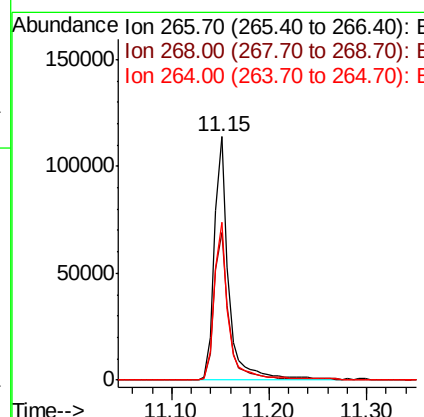
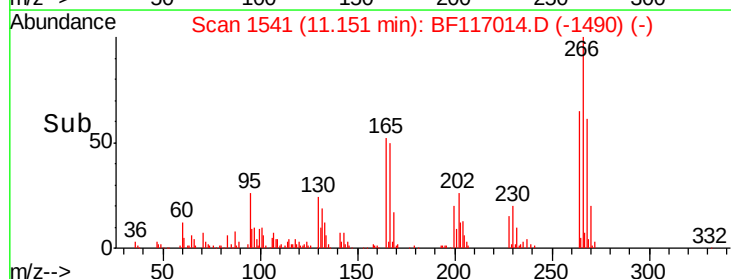
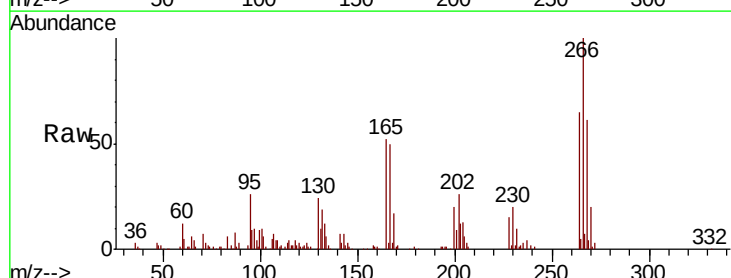
Manual Integrations
APPROVED

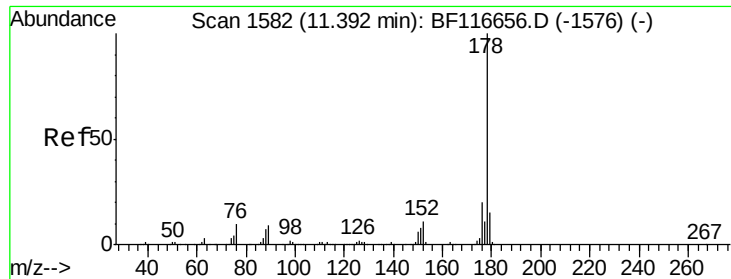
mohammad
9/16/2019 9:00:07 AM



#70
Pentachlorophenol
Concen: 93.350 ng
RT: 11.15 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.5	51.4	77.2
264	64.8	52.1	78.1





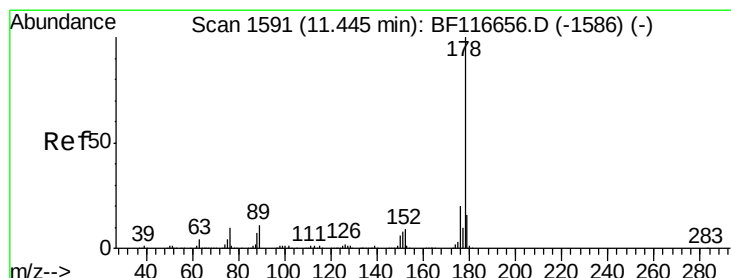
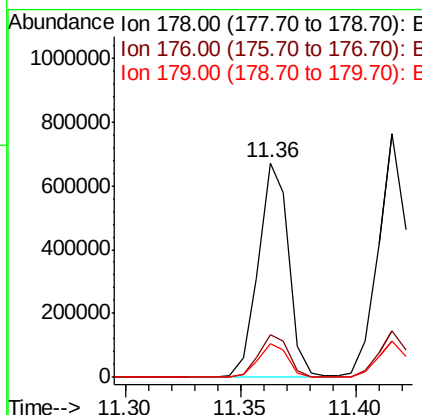
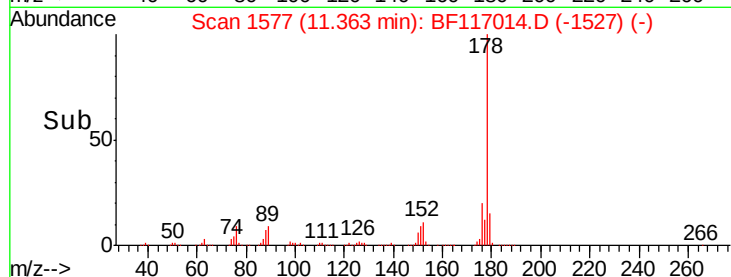
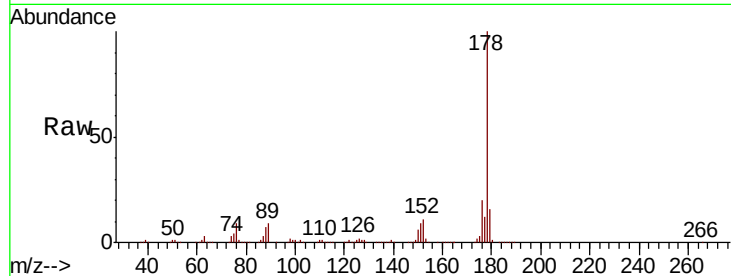
#71
Phenanthrene
Concen: 45.662 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.6	12.0	18.0

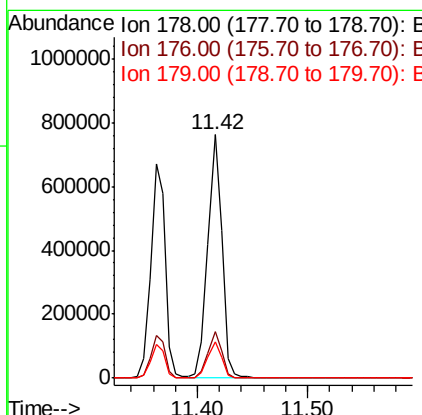
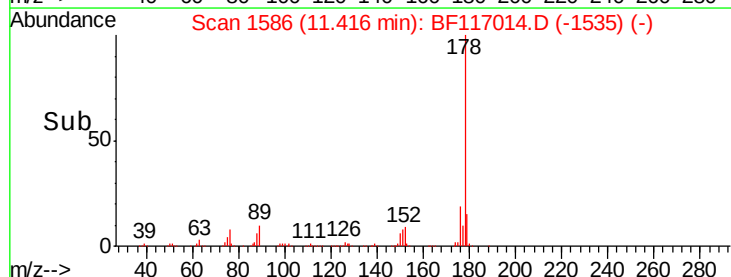
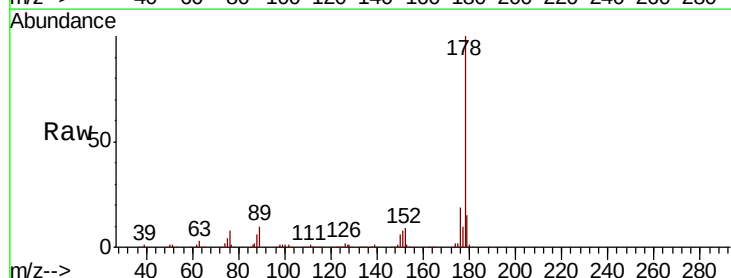
Manual Integrations
APPROVED

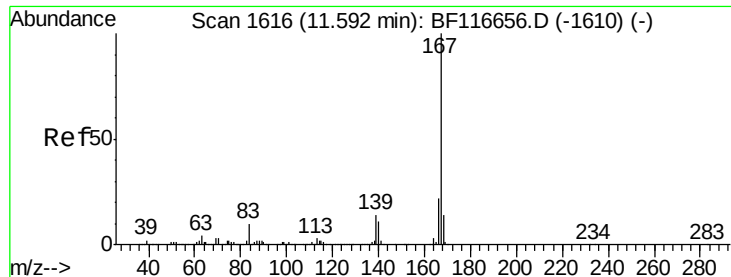
mohammad
9/16/2019 9:00:07 AM



#72
Anthracene
Concen: 48.239 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.1	12.3	18.5





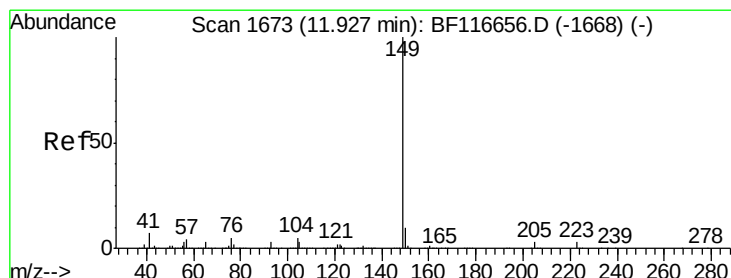
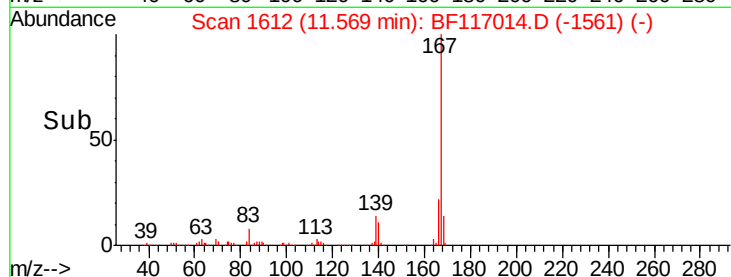
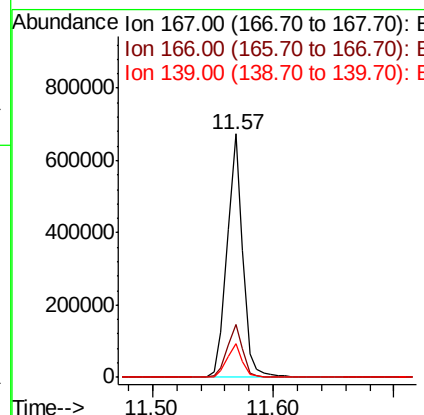
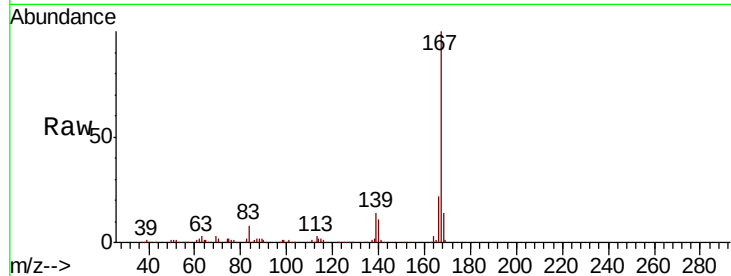
#73
 Carbazole
 Concen: 46.093 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	21.9	17.7	26.5
139	14.0	11.4	17.2

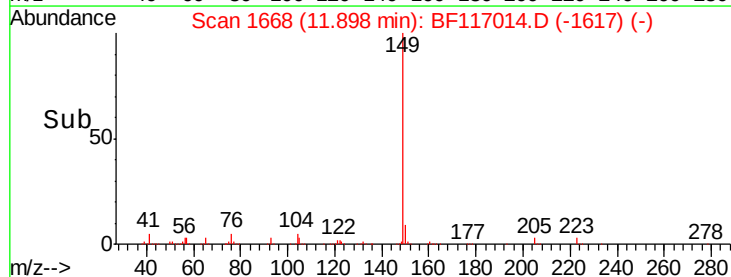
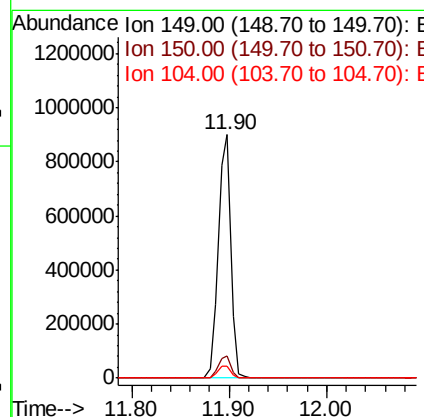
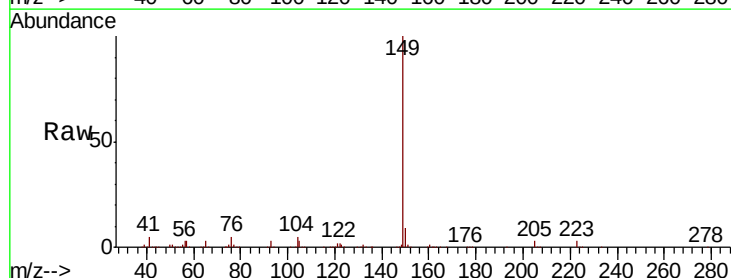
Manual Integrations
 APPROVED

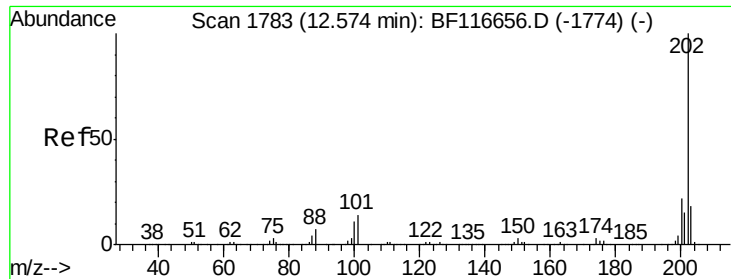
mohammad
 9/16/2019 9:00:07 AM



#74
 Di-n-butylphthalate
 Concen: 47.792 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.1	4.3	6.5





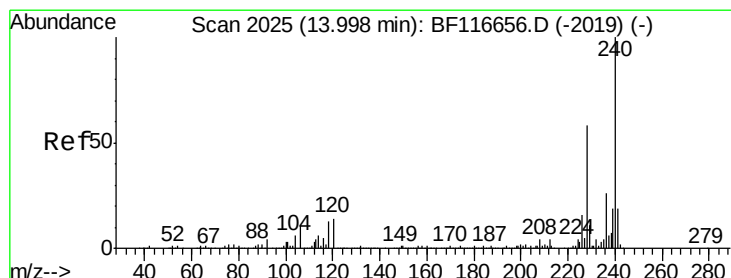
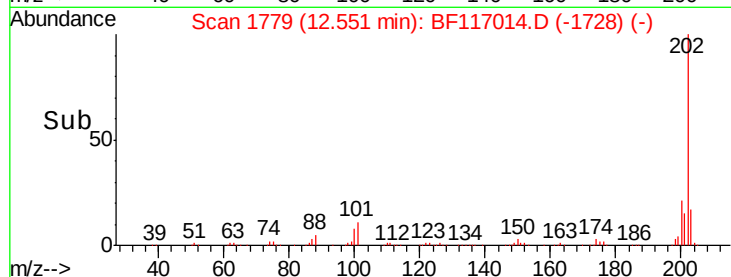
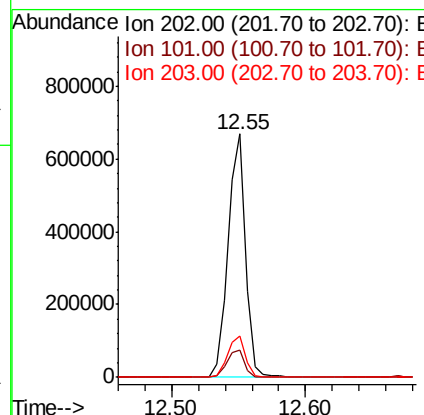
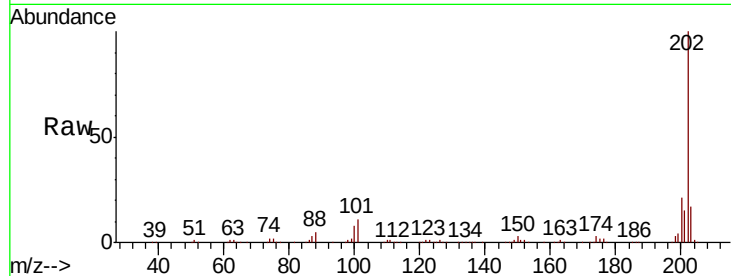
#75
 Fluoranthene
 Concen: 46.536 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	32.0
203	17.2	0.0	37.5

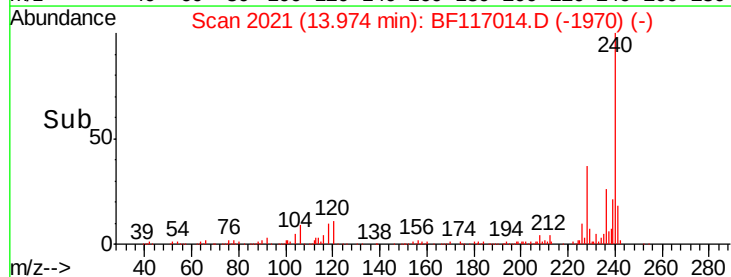
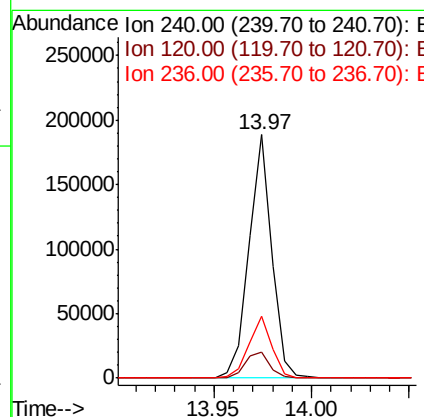
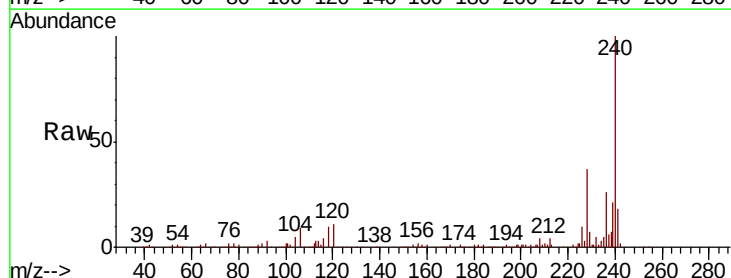
Manual Integrations
 APPROVED

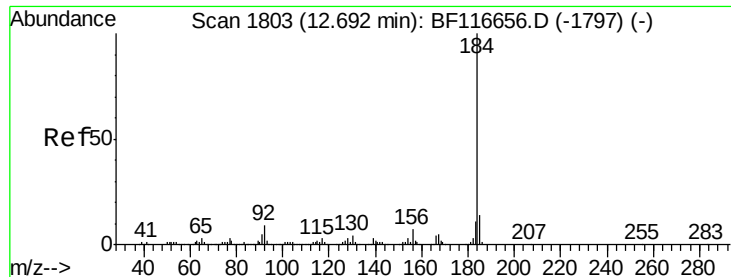
mohammad
 9/16/2019 9:00:07 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	9.1	13.7
236	25.5	20.9	31.3





#77

Benzidine

Concen: 62.334 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

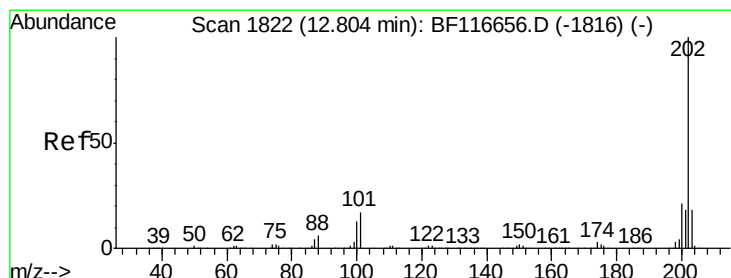
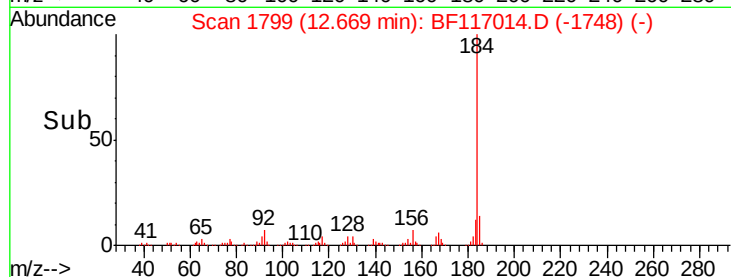
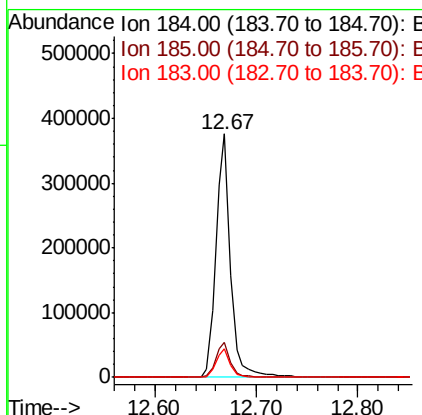
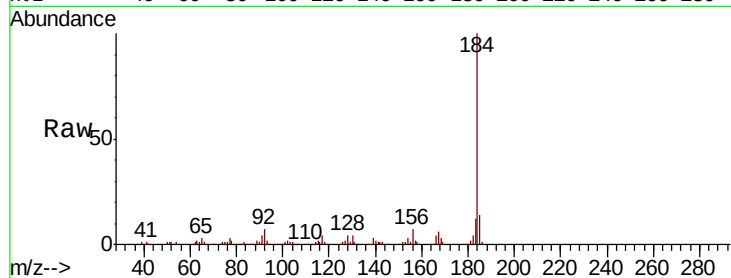
ClientSampleId :

PB122826BS

Tot Ion:	184	Resp:	373043
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	11.6	9.2	13.8

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#78

Pyrene

Concen: 45.062 ng

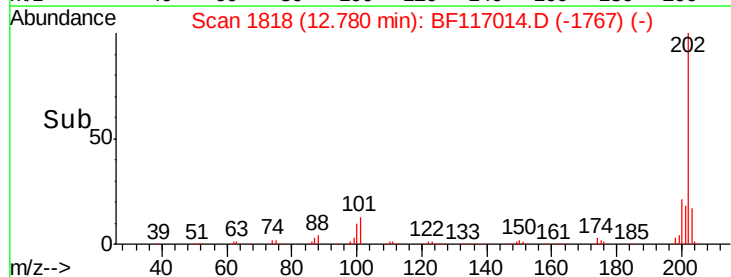
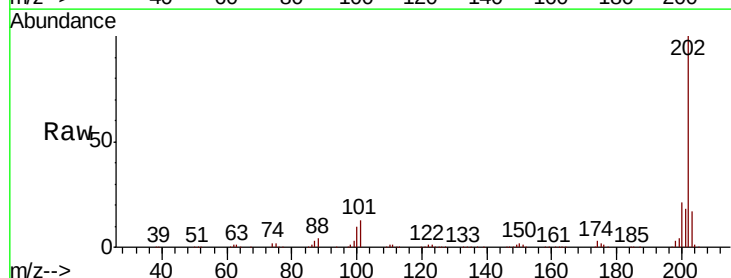
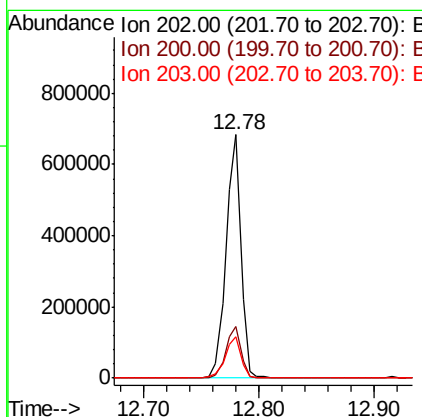
RT: 12.78 min Scan# 1818

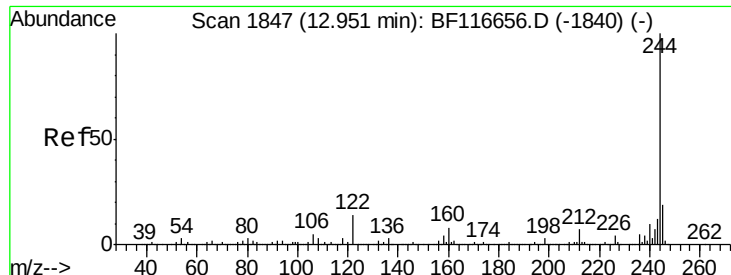
Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	202	Resp:	611195
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	17.2	14.2	21.2





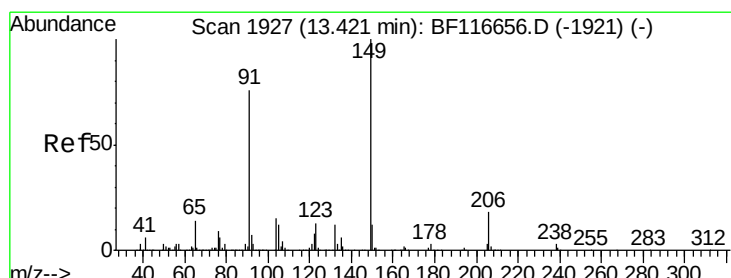
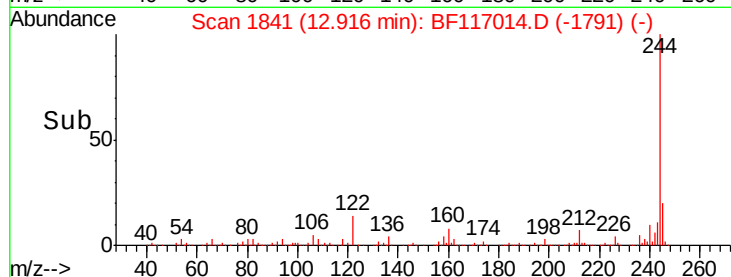
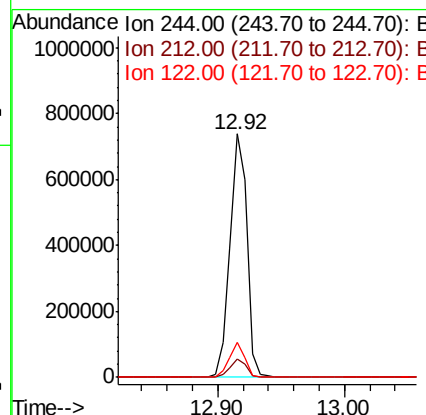
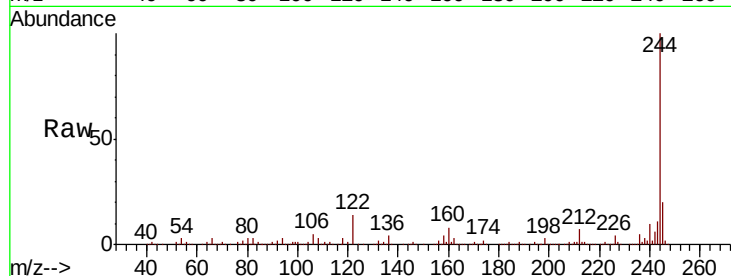
#79
 Terphenyl-d14
 Concen: 82.944 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Resp	Lower	Upper
244	100	684105		
212	7.3	5.7	8.5	
122	14.5	11.5	17.3	

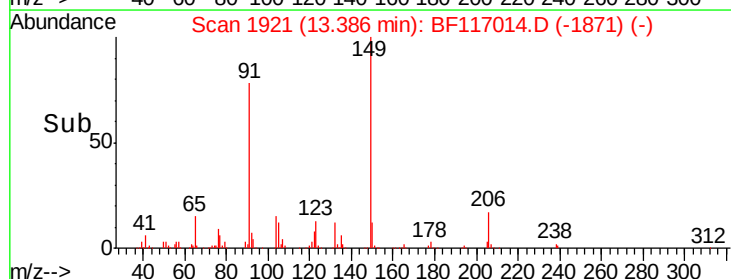
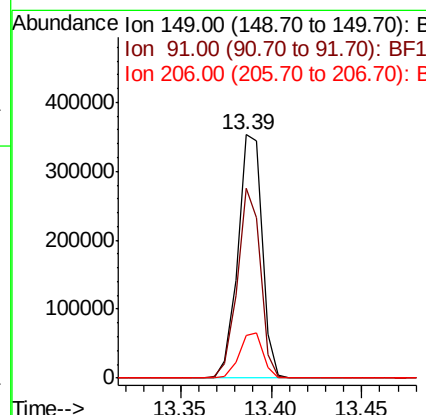
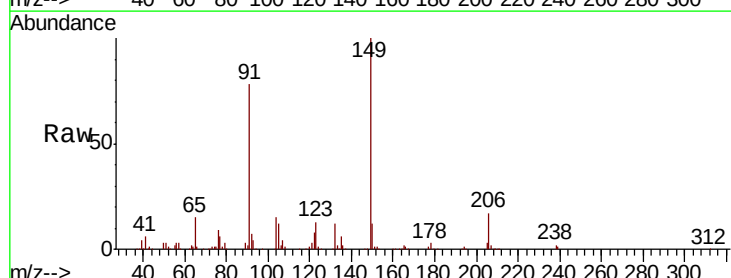
Manual Integrations
 APPROVED

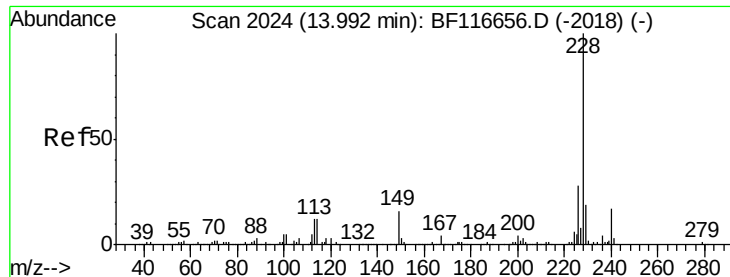
mohammad
 9/16/2019 9:00:07 AM



#80
 Butylbenzylphthalate
 Concen: 50.170 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	330914		
91	78.2	55.8	83.8	
206	17.3	15.0	22.6	





#81

Benzo(a)anthracene

Concen: 46.972 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Instrument :

BNA_F

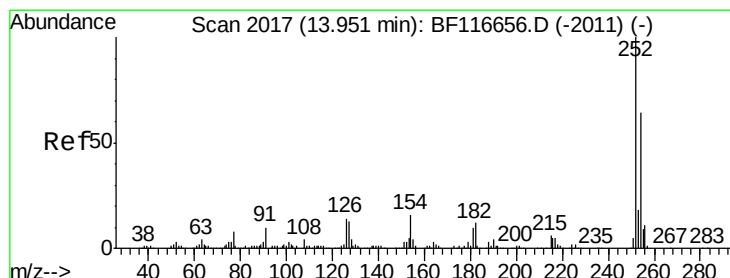
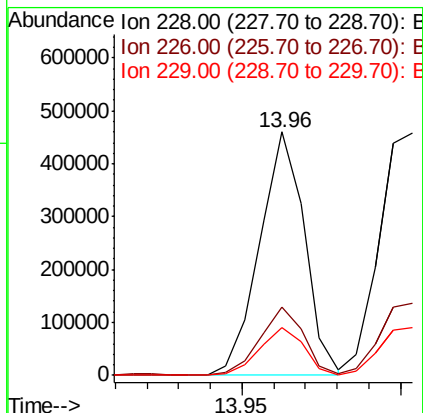
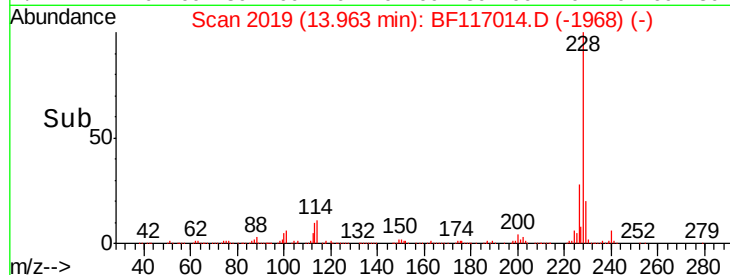
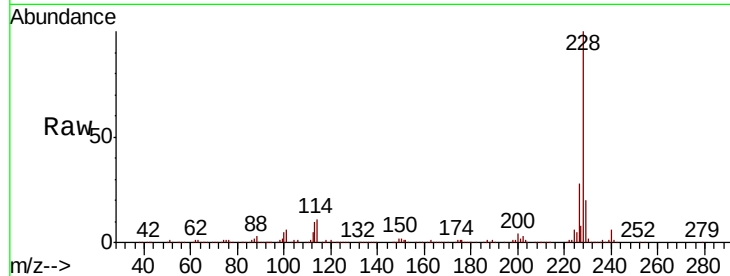
ClientSampleId :

PB122826BS

Tot Ion:	228	Resp:	453592
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.3	33.5
229	19.8	15.8	23.8

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#82

3,3'-Dichlorobenzidine

Concen: 44.256 ng

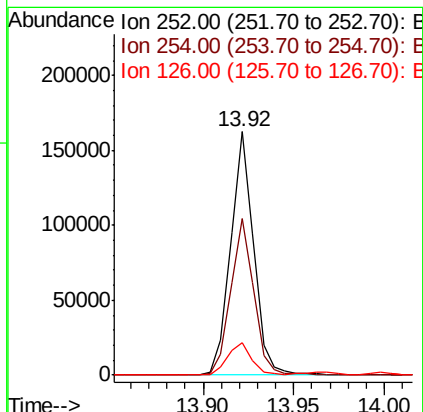
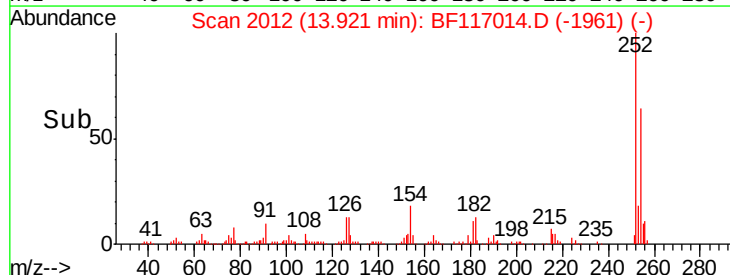
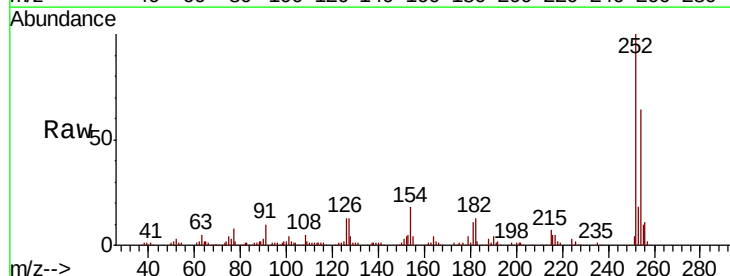
RT: 13.92 min Scan# 2012

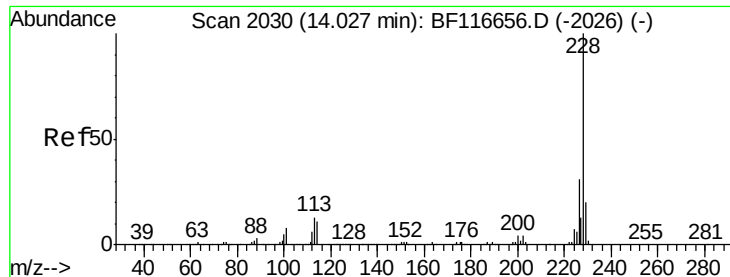
Delta R.T. 0.00 min

Lab File: BF117014.D

Acq: 13 Sep 2019 9:30

Tgt Ion:	252	Resp:	144428
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.8	77.8
126	13.1	10.9	16.3





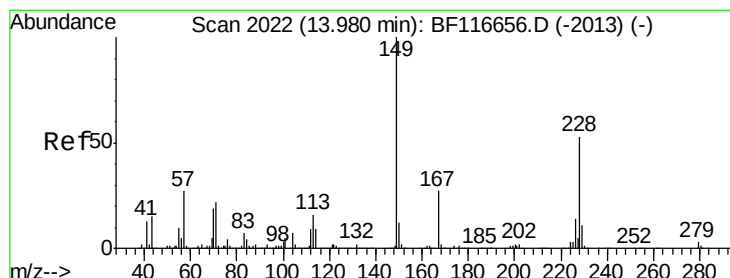
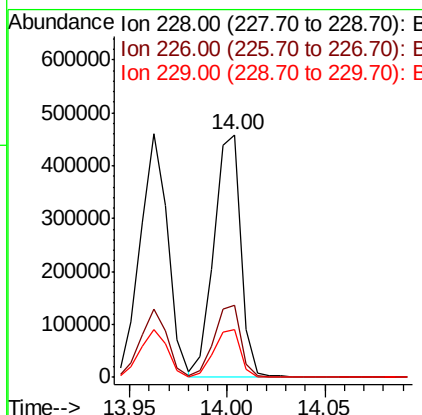
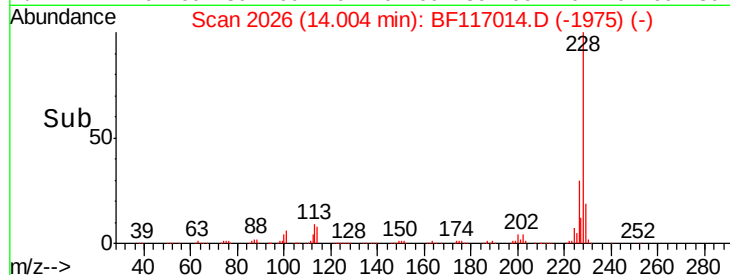
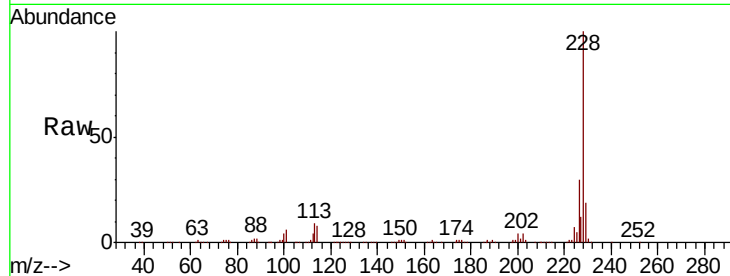
#83
 Chrysene
 Concen: 44.164 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PB122826BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.5	36.7
229	19.5	15.7	23.5

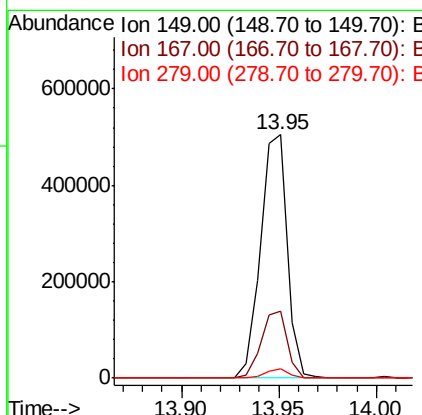
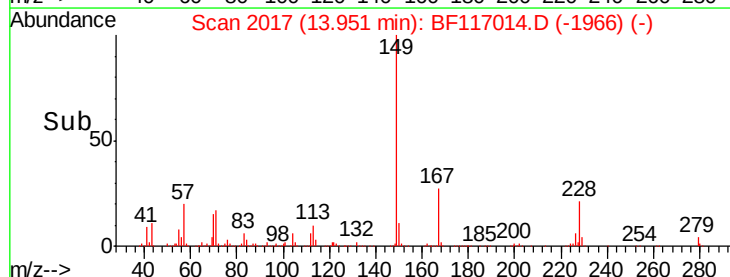
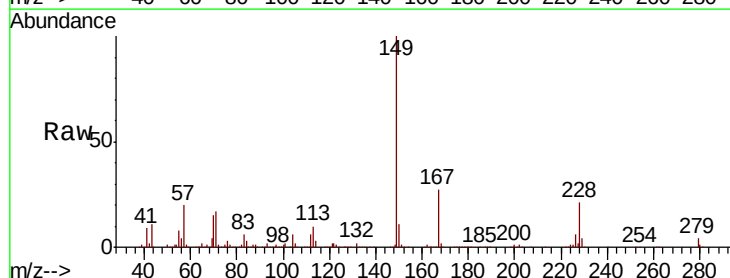
Manual Integrations
 APPROVED

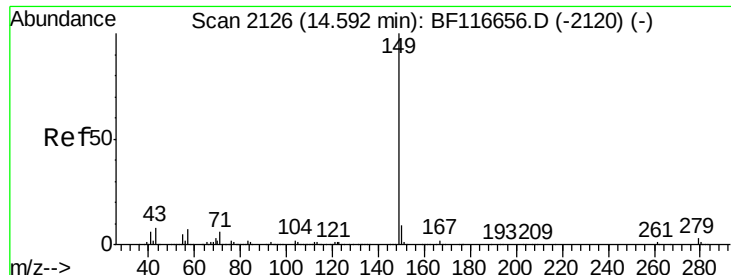
mohammad
 9/16/2019 9:00:07 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 58.745 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF117014.D
 Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.3	31.9
279	3.8	2.6	3.8#





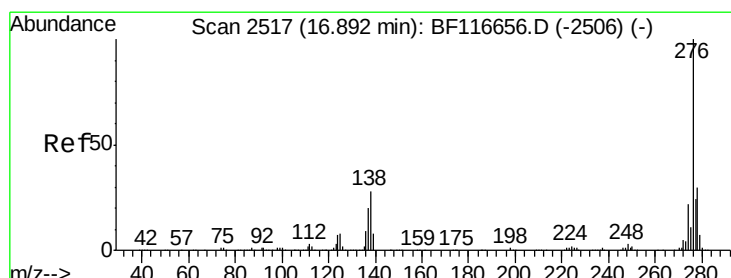
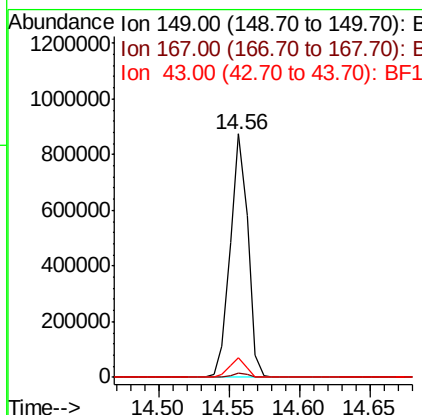
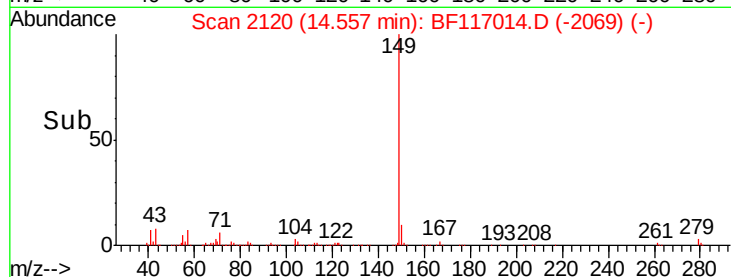
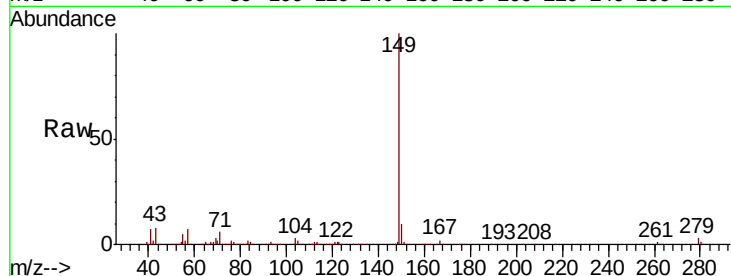
#85
Di-n-octyl phthalate
Concen: 57.151 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.8	6.2	9.4

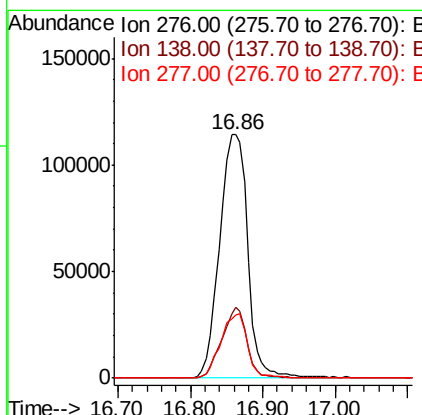
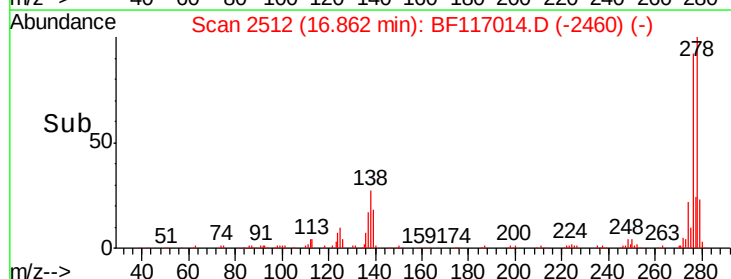
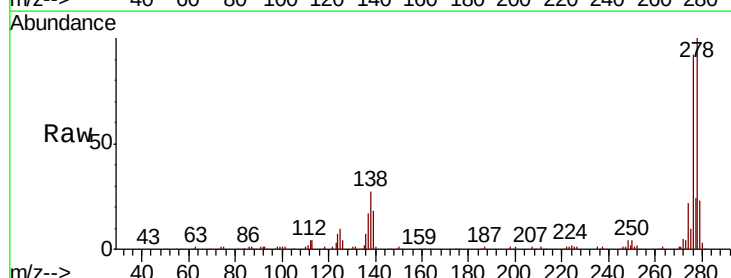
Manual Integrations
APPROVED

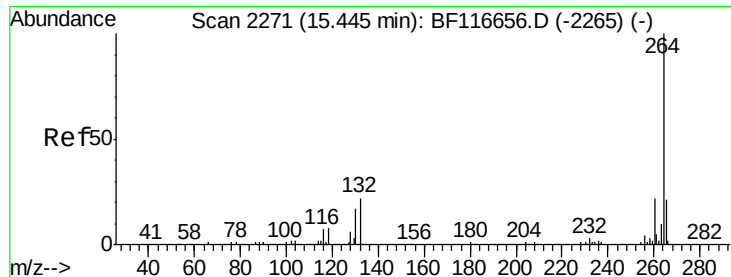
mohammad
9/16/2019 9:00:07 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 38.620 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.5	20.6	31.0
277	24.9	19.9	29.9





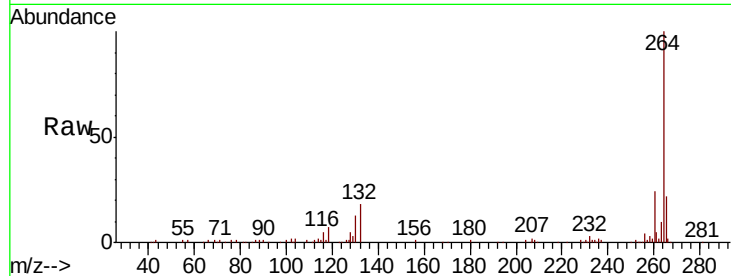
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampled :
PB122826BS

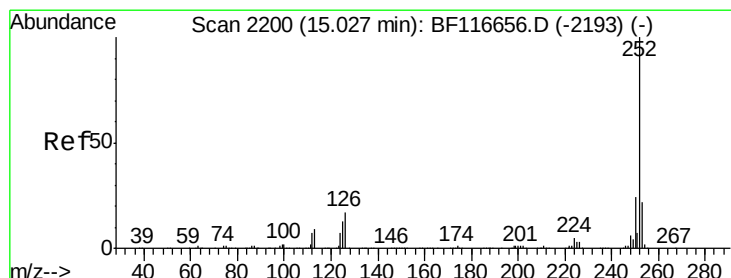
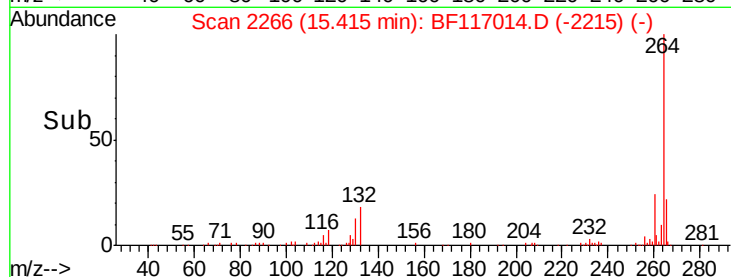
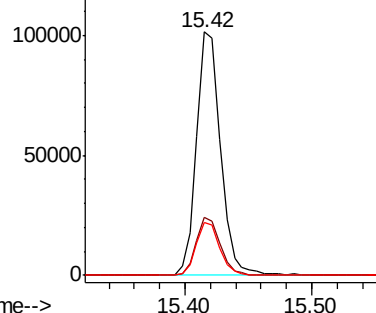
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.6	17.9	26.9

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM

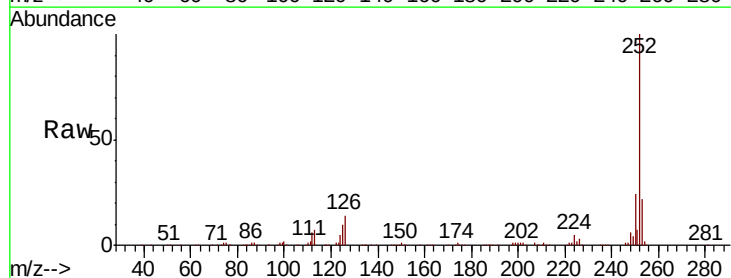


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

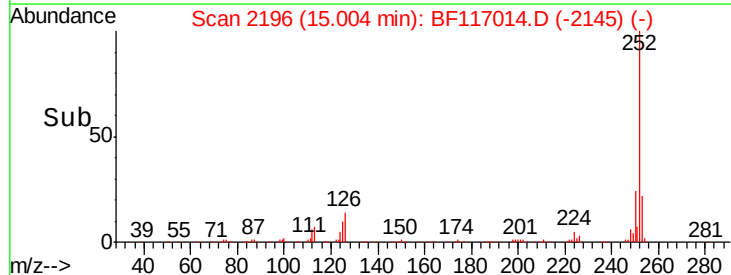
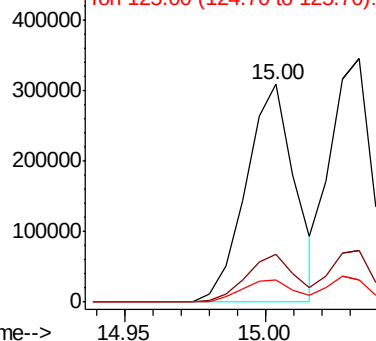


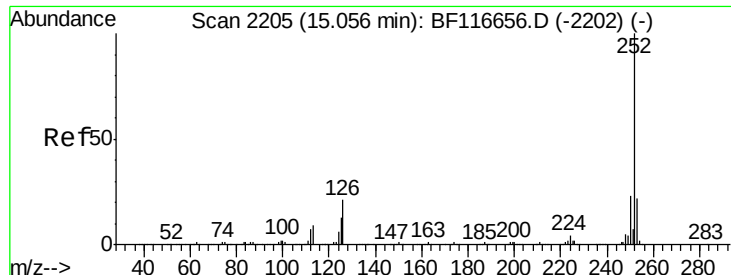
#88
Benzo(b)fluoranthene
Concen: 46.395 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.1	8.3	12.5



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





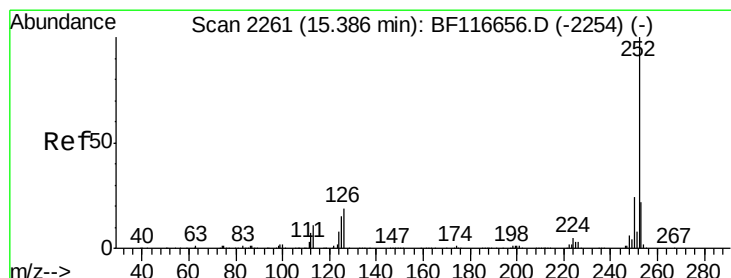
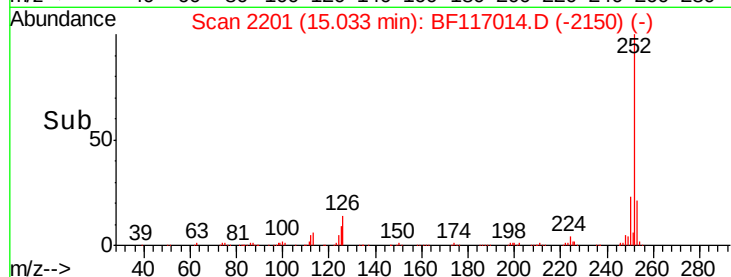
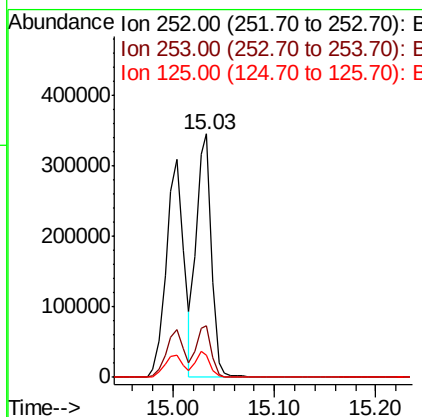
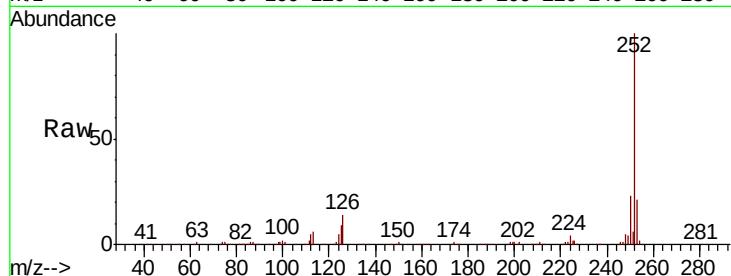
#89
Benzo(k)fluoranthene
Concen: 48.734 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	8.9	7.6	11.4

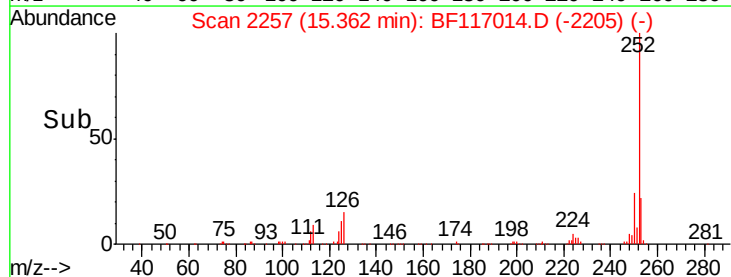
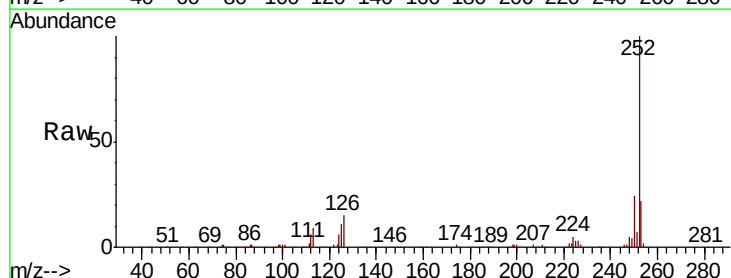
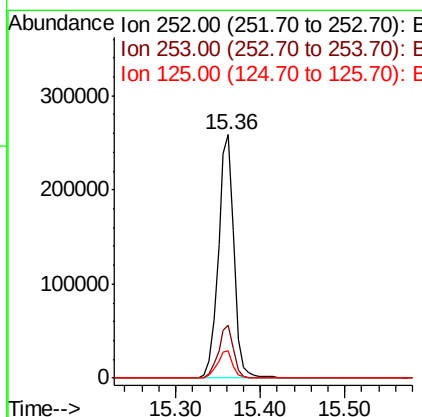
Manual Integrations
APPROVED

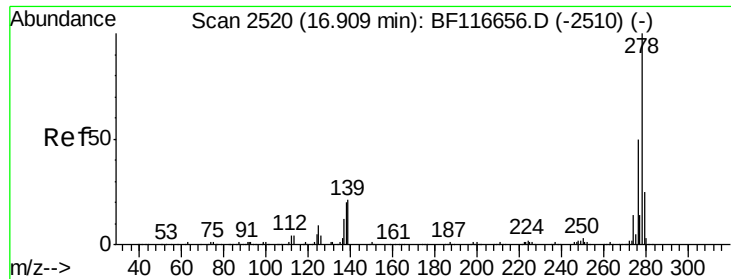
mohammad
9/16/2019 9:00:07 AM



#90
Benzo(a)pyrene
Concen: 48.120 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.1	10.2	15.2





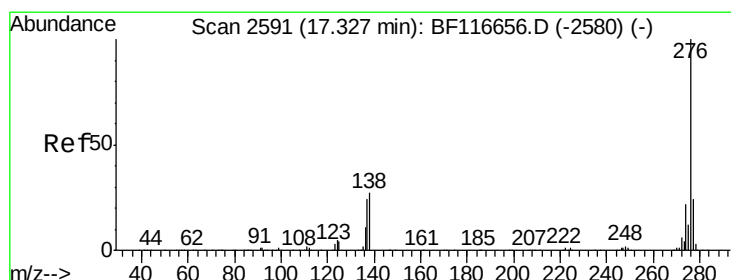
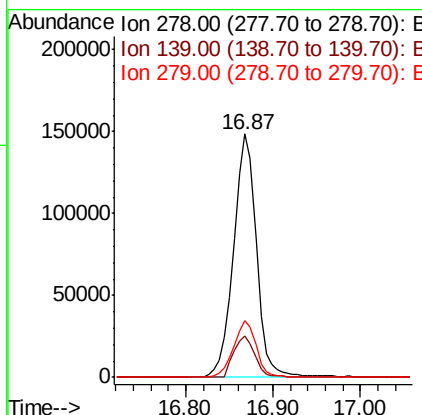
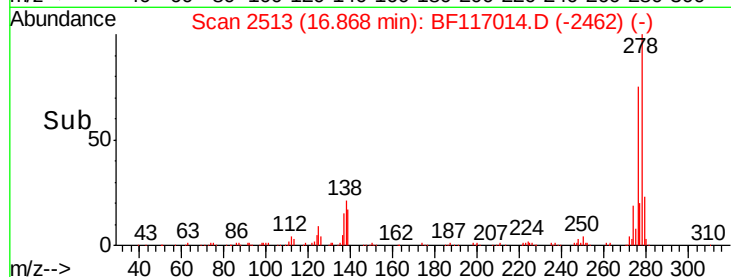
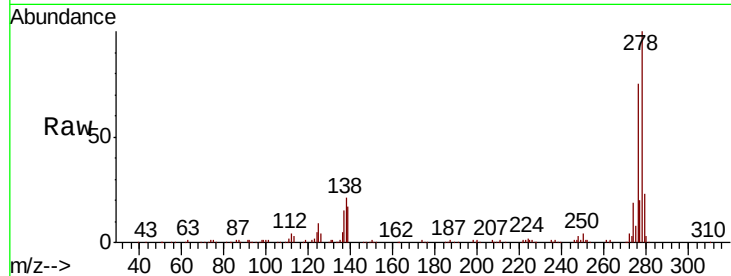
#91
Dibenzo(a,h)anthracene
Concen: 43.119 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Instrument :
BNA_F
ClientSampleId :
PB122826BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.1	19.7
279	23.3	18.6	27.8

Manual Integrations
APPROVED

mohammad
9/16/2019 9:00:07 AM



#92
Benzo(g,h,i)perylene
Concen: 36.814 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF117014.D
Acq: 13 Sep 2019 9:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	23.7	18.7	28.1

