

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116988.D
 Acq On : 12 Sep 2019 12:58
 Operator : HP/JU
 Sample : PB122916BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:33:07 AM

Quant Time: Sep 12 14:37:56 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	80004	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	331790	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	176014	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	276172	20.00	ng	0.00
76) Chrysene-d12	13.97	240	171224	20.00	ng	0.00
87) Perylene-d12	15.42	264	147169	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	633850	128.35	ng	0.02
7) Phenol-d6	6.47	99	820472	126.53	ng	0.00
23) Nitrobenzene-d5	7.39	82	488057	83.97	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	181607	154.34	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	853719	81.82	ng	0.00
79) Terphenyl-d14	12.92	244	789442	85.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	104493	45.837	ng	98
3) Pyridine	3.40	79	248784	37.692	ng	98
4) n-Nitrosodimethylamine	3.35	42	96705	42.666	ng	90
6) Aniline	6.49	93	314904	35.062	ng	# 85
8) 2-Chlorophenol	6.62	128	273560	50.745	ng	98
9) Benzaldehyde	6.37	77	172421	40.359	ng	100
10) Phenol	6.48	94	345386	48.100	ng	94
11) bis(2-Chloroethyl)ether	6.56	93	254795	45.572	ng	99
12) 1,3-Dichlorobenzene	6.77	146	284511	46.696	ng	99
13) 1,4-Dichlorobenzene	6.85	146	292214	48.173	ng	98
14) 1,2-Dichlorobenzene	7.00	146	272212	48.424	ng	98
15) Benzyl Alcohol	6.97	79	249596	47.418	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.10	45	250038	38.117	ng	99
17) 2-Methylphenol	7.08	107	232603	49.289	ng	99
18) Hexachloroethane	7.34	117	113302	48.076	ng	99
19) n-Nitroso-di-n-propylamine	7.24	70	194099	45.460	ng	99
20) 3+4-Methylphenols	7.23	107	283484	51.664	ng	98
22) Acetophenone	7.23	105	398112	49.839	ng	97
24) Nitrobenzene	7.40	77	303888	51.410	ng	94
25) Isophorone	7.65	82	548972	46.614	ng	99
26) 2-Nitrophenol	7.72	139	143561	65.326	ng	99
27) 2,4-Dimethylphenol	7.76	122	239782	54.026	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	331064	46.001	ng	99
29) 2,4-Dichlorophenol	7.96	162	224244	52.574	ng	100
30) 1,2,4-Trichlorobenzene	8.05	180	221247	47.824	ng	99
31) Naphthalene	8.13	128	778179	49.324	ng	100
32) Benzoic acid	7.90	122	141393	56.421	ng	93
33) 4-Chloroaniline	8.17	127	190023	26.460	ng	96
34) Hexachlorobutadiene	8.25	225	123283	48.874	ng	98
35) Caprolactam	8.55	113	71681m	44.906	ng	
36) 4-Chloro-3-methylphenol	8.66	107	262210	53.487	ng	95
37) 2-Methylnaphthalene	8.82	142	536582	51.116	ng	98
38) 1-Methylnaphthalene	8.92	142	489773	49.425	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	202303	47.946	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116988.D
 Acq On : 12 Sep 2019 12:58
 Operator : HP/JU
 Sample : PB122916BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

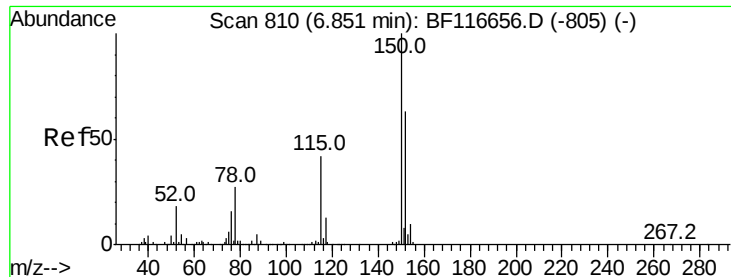
Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:33:07 AM

Quant Time: Sep 12 14:37:56 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	219119	89.930	nq	98
43) 2,4,6-Trichlorophenol	9.10	196	144096	49.819	nq	98
44) 2,4,5-Trichlorophenol	9.14	196	157934	52.596	nq	96
46) 1,1'-Biphenyl	9.28	154	623182	46.659	nq	99
47) 2-Chloronaphthalene	9.30	162	486227	45.963	nq	97
48) 2-Nitroaniline	9.40	65	158433	51.804	nq	96
49) Acenaphthylene	9.72	152	768084	48.033	nq	100
50) Dimethylphthalate	9.58	163	566741	46.638	nq	100
51) 2,6-Dinitrotoluene	9.64	165	127652	55.058	nq #	80
52) Acenaphthene	9.89	154	447888	45.585	nq	100
53) 3-Nitroaniline	9.81	138	93268	32.100	nq	96
54) 2,4-Dinitrophenol	9.92	184	99388	116.199	nq #	91
55) Dibenzofuran	10.06	168	675557	48.773	nq	99
56) 4-Nitrophenol	9.98	139	202149	101.466	nq	95
57) 2,4-Dinitrotoluene	10.05	165	169749	59.877	nq	90
58) Fluorene	10.40	166	530947	50.308	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.19	232	121736	56.173	nq	99
60) Diethylphthalate	10.28	149	562638	46.222	nq	98
61) 4-Chlorophenyl-phenylether	10.40	204	232353	50.276	nq	97
62) 4-Nitroaniline	10.43	138	142213	50.435	nq	99
63) Azobenzene	10.56	77	589993	46.483	nq	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	70292	65.832	nq	96
66) n-Nitrosodiphenylamine	10.52	169	468611	49.050	nq	99
67) 4-Bromophenyl-phenylether	10.89	248	134901	48.084	nq	98
68) Hexachlorobenzene	10.96	284	141225	48.112	nq	98
69) Atrazine	11.04	200	131062	48.981	nq	98
70) Pentachlorophenol	11.15	266	158534	111.647	nq	99
71) Phenanthrene	11.37	178	751439	48.879	nq	99
72) Anthracene	11.42	178	774585	50.052	nq	99
73) Carbazole	11.57	167	711457	48.262	nq	100
74) Di-n-butylphthalate	11.90	149	871541	46.118	nq	100
75) Fluoranthene	12.55	202	739249	48.930	nq	99
77) Benzidine	12.67	184	330973	49.283	nq	99
78) Pyrene	12.78	202	745105	48.953	nq	99
80) Butylbenzylphthalate	13.39	149	337623	45.614	nq	100
81) Benzo(a)anthracene	13.96	228	536367	49.495	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	134883	36.831	nq	93
83) Chrysene	14.00	228	525601	47.078	nq	100
84) Bis(2-ethylhexyl)phthalate	13.95	149	435911	47.709	nq	98
85) Di-n-octyl phthalate	14.56	149	683121	45.687	nq	99
86) Indeno(1,2,3-cd)pyrene	16.86	276	422248	47.086	nq	99
88) Benzo(b)fluoranthene	15.00	252	447861	50.335	nq	99
89) Benzo(k)fluoranthene	15.03	252	388667m	47.909	nq	
90) Benzo(a)pyrene	15.36	252	390292	50.419	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	355818	52.513	nq	97
92) Benzo(g,h,i)perylene	17.29	276	354041	51.233	nq	96

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



#1

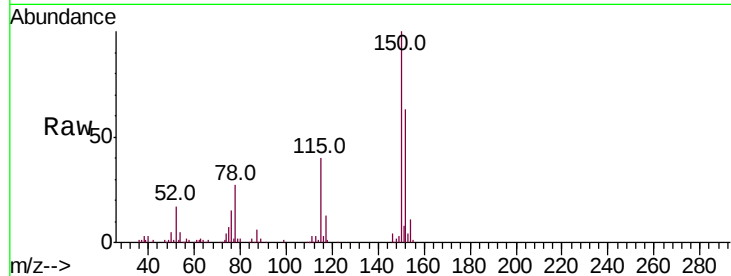
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

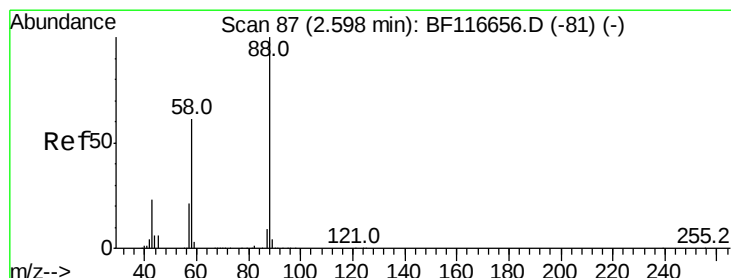
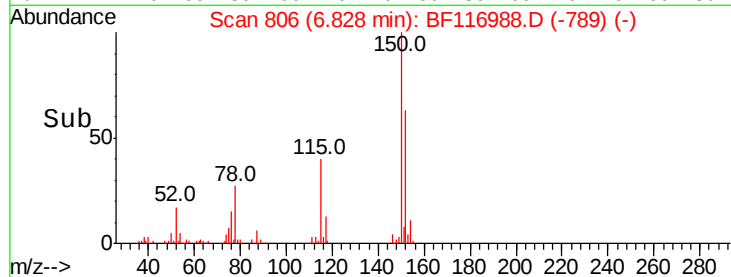
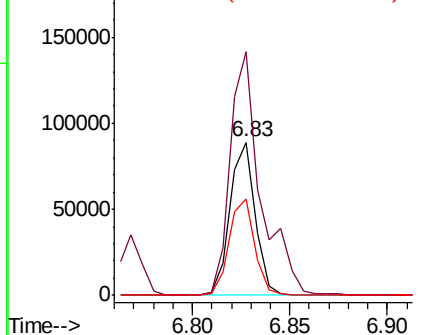
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.2	189.2
115	63.3	50.2	75.2

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



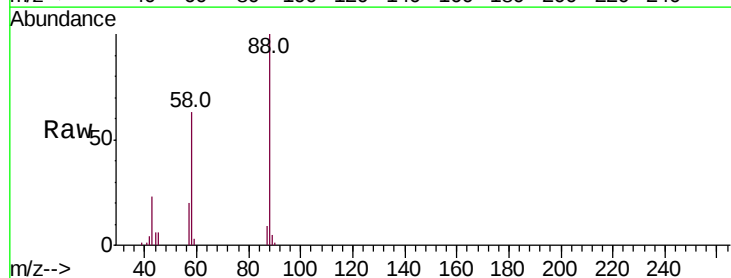
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



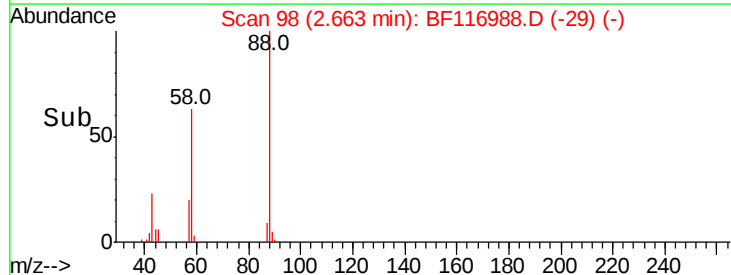
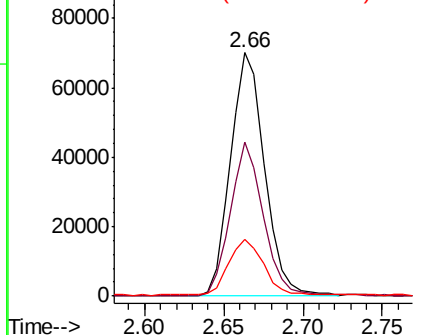
#2

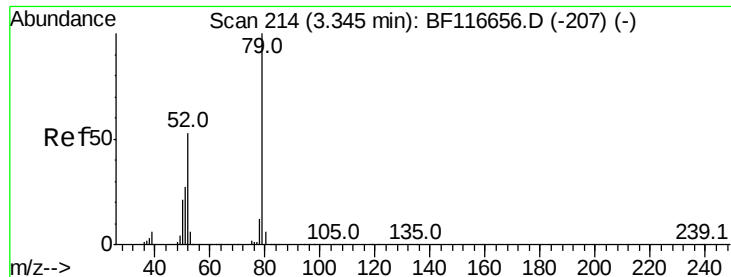
1,4-Dioxane
Concen: 45.837 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.11 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.4	49.4	74.2
43	25.7	18.6	28.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 37.692 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.11 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

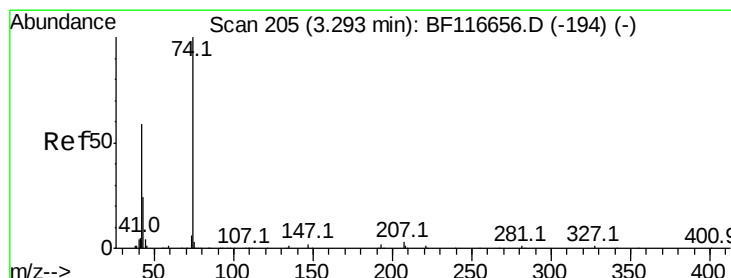
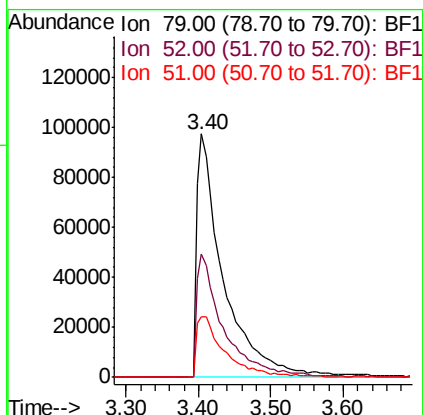
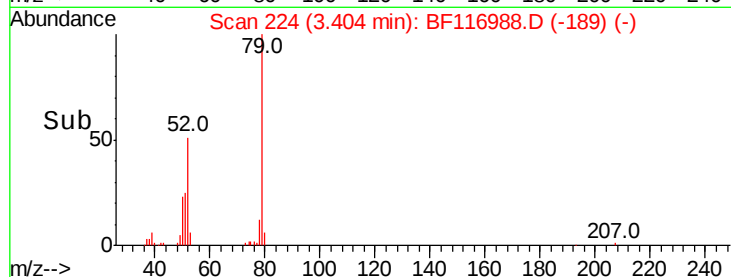
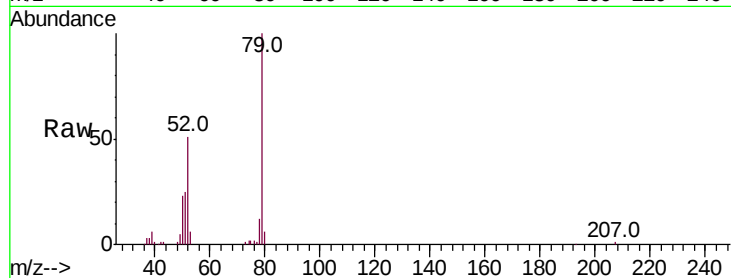
ClientSampleId :

PB122916BS

Tot Ion:	79	Resp:	248784
Ion Ratio	Lower	Upper	
79	100		
52	50.7	40.5	60.7
51	24.7	22.3	33.5

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#4

n-Nitrosodimethylamine

Concen: 42.666 ng

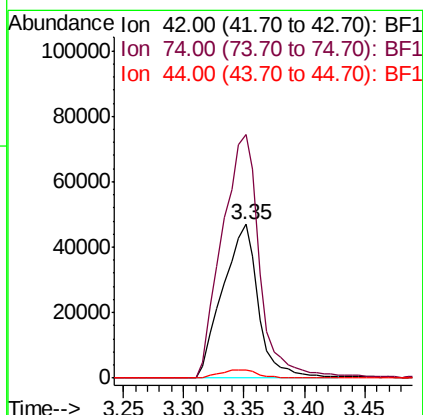
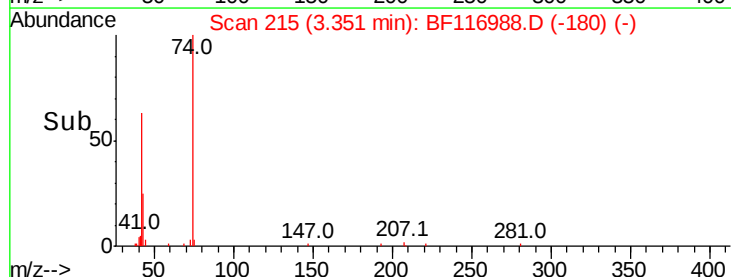
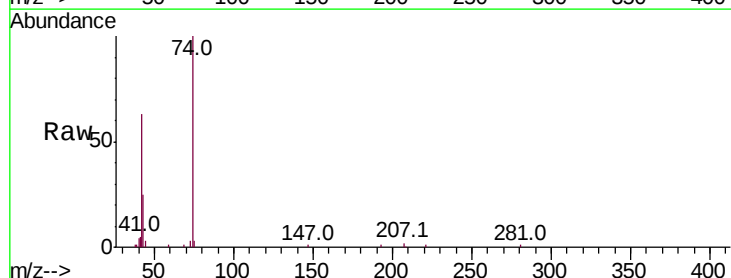
RT: 3.35 min Scan# 215

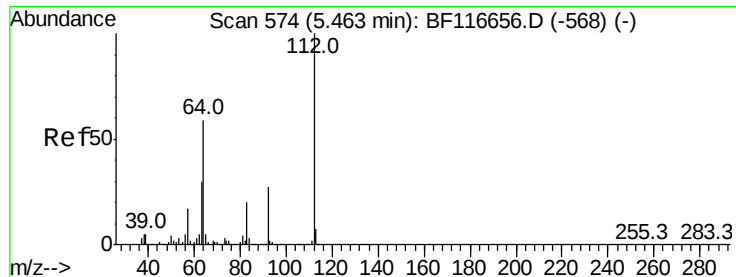
Delta R.T. 0.11 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	42	Resp:	96705
Ion Ratio	Lower	Upper	
42	100		
74	158.2	137.6	206.4
44	5.3	4.4	6.6





#5

2-Fluorophenol

Concen: 128.353 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.02 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

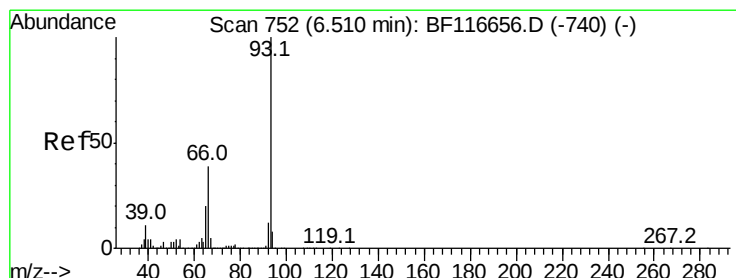
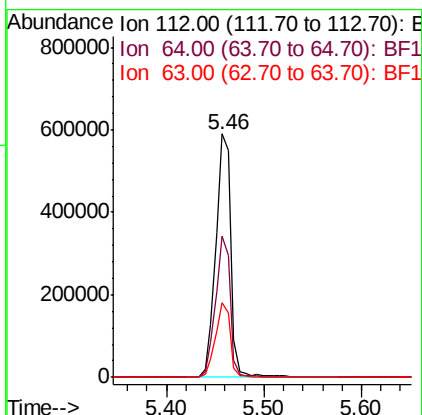
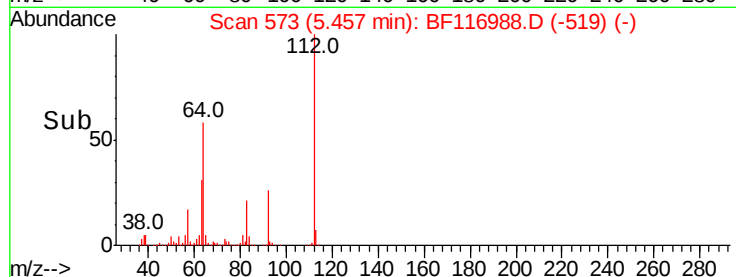
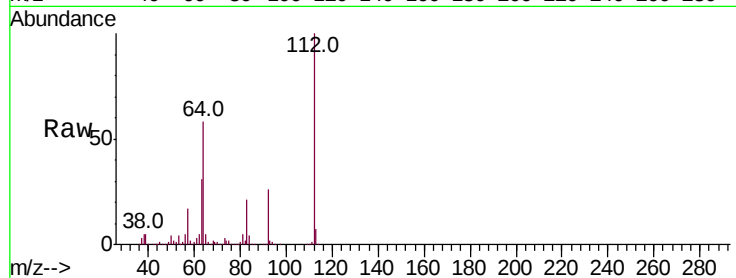
ClientSampleId :

PB122916BS

Tot Ion:	112	Resp:	633850
Ion Ratio	Lower	Upper	
112	100		
64	57.9	47.1	70.7
63	30.9	25.4	38.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#6

Aniline

Concen: 35.062 ng

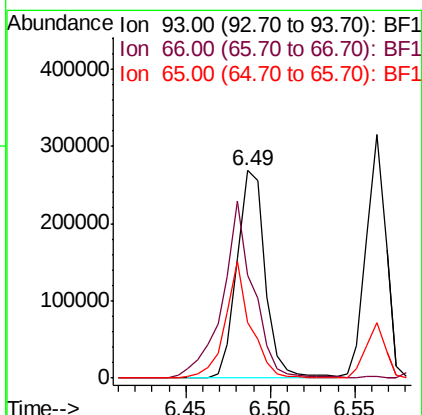
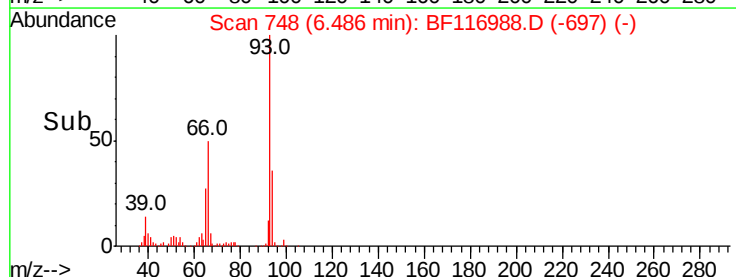
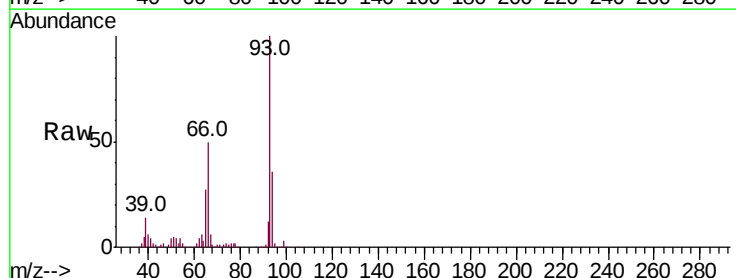
RT: 6.49 min Scan# 748

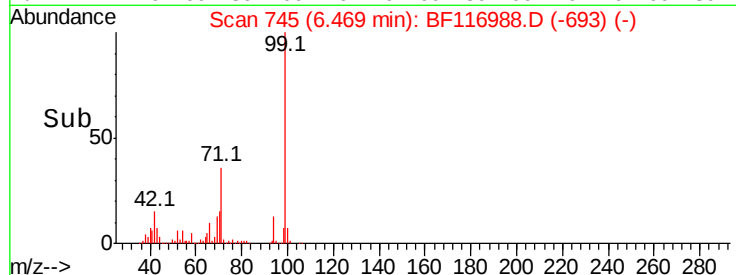
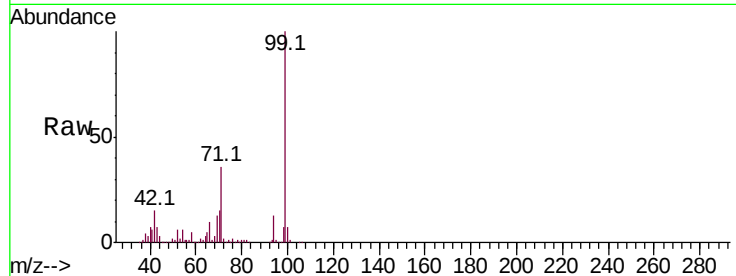
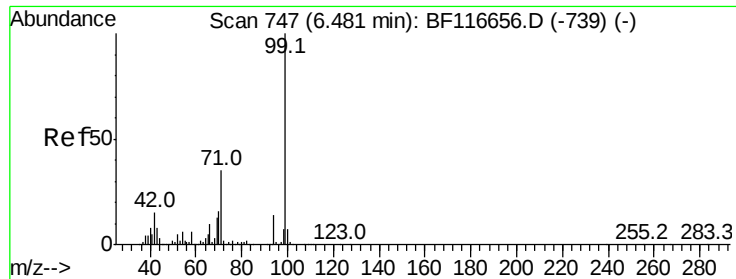
Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	93	Resp:	314904
Ion Ratio	Lower	Upper	
93	100		
66	49.9	32.3	48.5#
65	26.6	16.2	24.2#





#7

Phenol-d6

Concen: 126.526 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tot Ion:	99	Resp:	820472
Ion Ratio	Lower	Upper	
99	100		
42	15.0	12.0	18.0
71	36.4	29.7	44.5

Instrument :

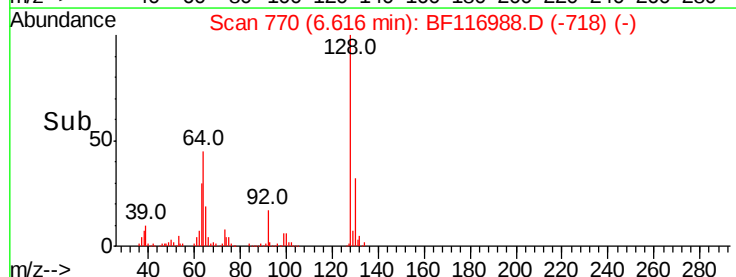
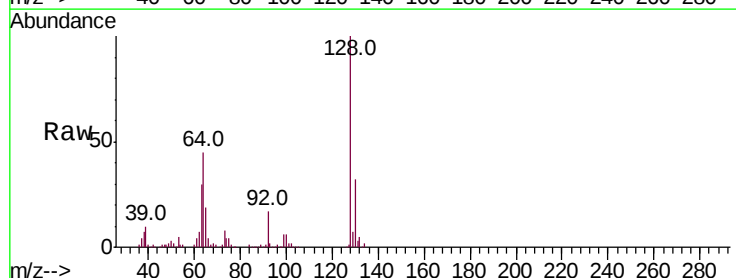
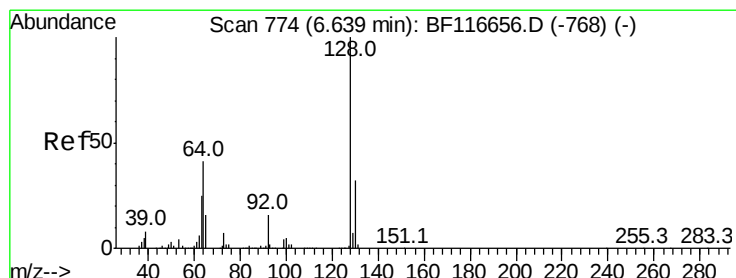
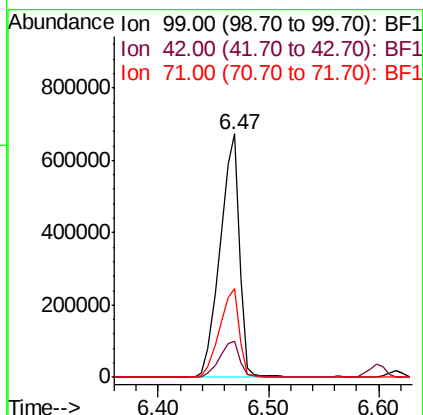
BNA_F

ClientSampleId :

PB122916BS

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#8

2-Chlorophenol

Concen: 50.745 ng

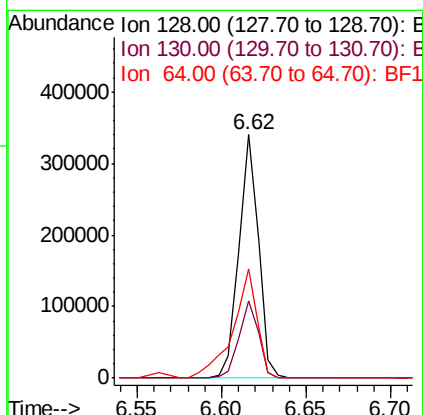
RT: 6.62 min Scan# 770

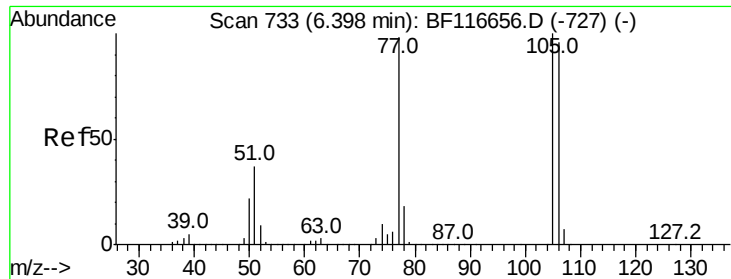
Delta R.T. 0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	128	Resp:	273560
Ion Ratio	Lower	Upper	
128	100		
130	31.8	12.4	52.4
64	44.9	26.5	66.5





#9

Benzaldehyde

Concen: 40.359 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

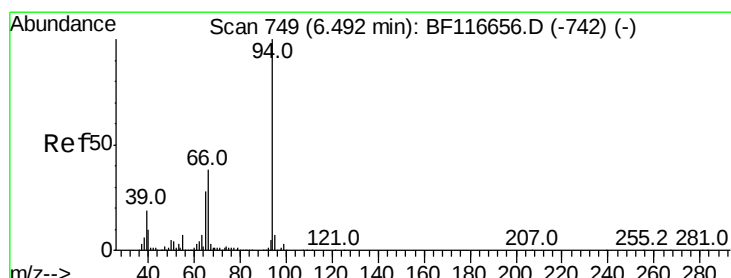
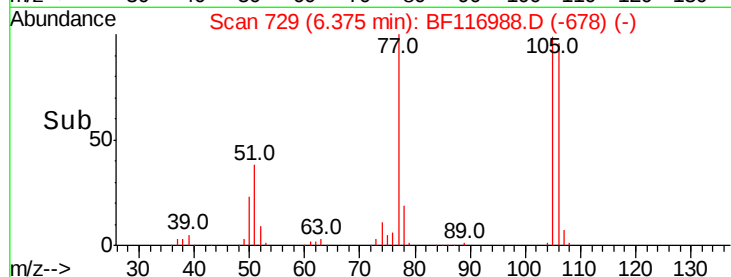
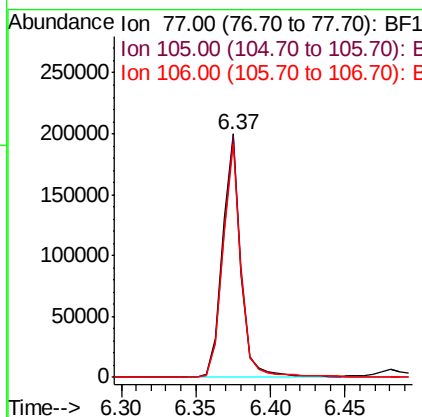
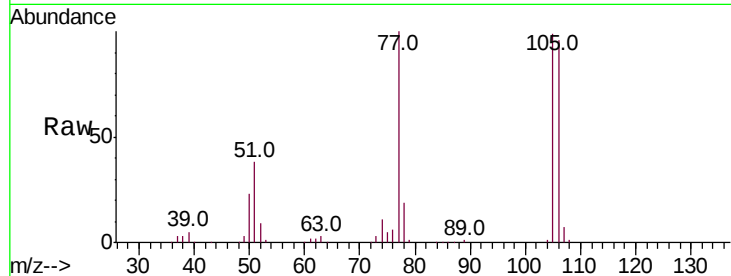
ClientSampleID :

PB122916BS

Tot Ion:	77	Resp:	172421
Ion Ratio	Lower	Upper	
77	100		
105	99.1	79.3	119.3
106	95.7	75.1	115.1

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#10

Phenol

Concen: 48.100 ng

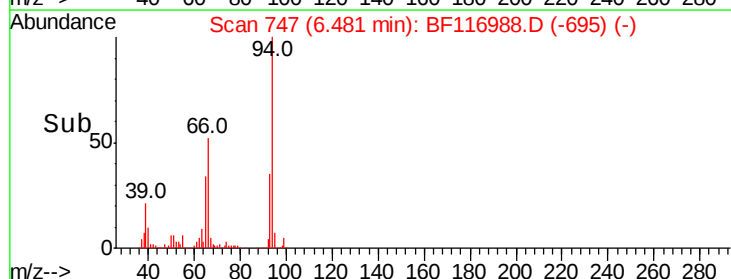
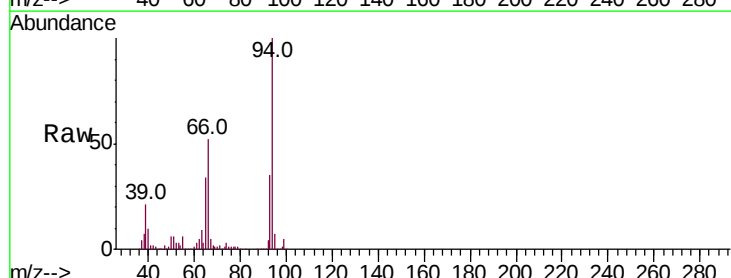
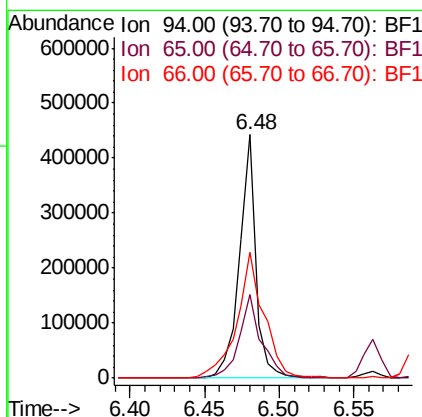
RT: 6.48 min Scan# 747

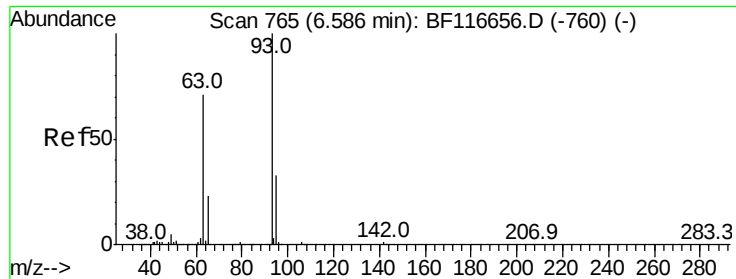
Delta R.T. 0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	94	Resp:	345386
Ion Ratio	Lower	Upper	
94	100		
65	34.2	12.0	52.0
66	51.8	26.5	66.5





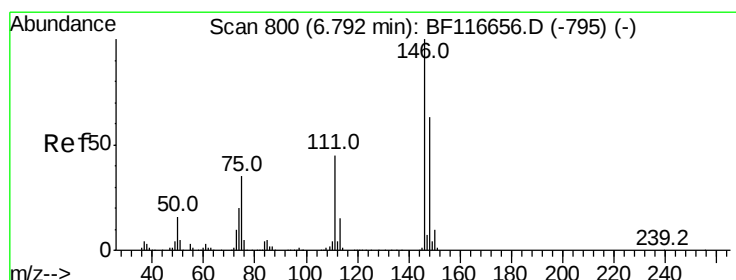
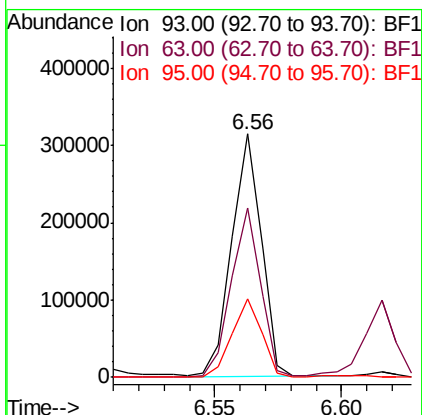
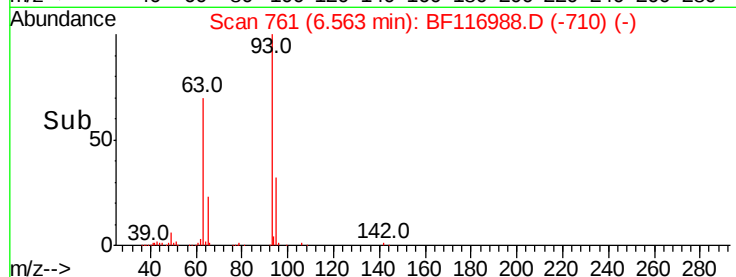
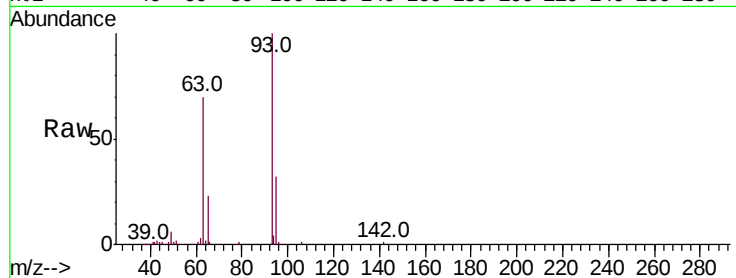
#11
bis(2-Chloroethyl)ether
Concen: 45.572 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	69.6	49.0	89.0
95	32.4	13.7	53.7

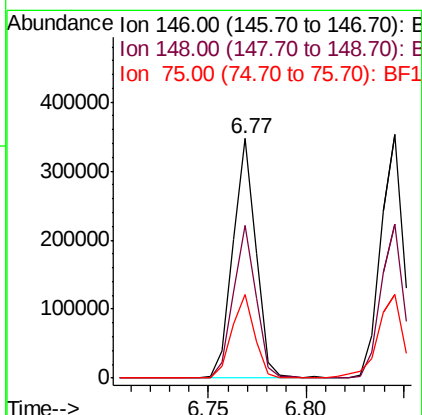
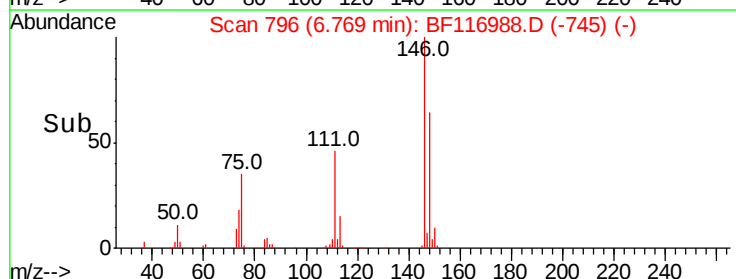
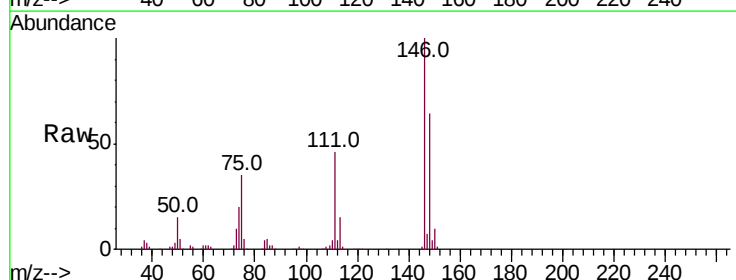
Manual Integrations
APPROVED

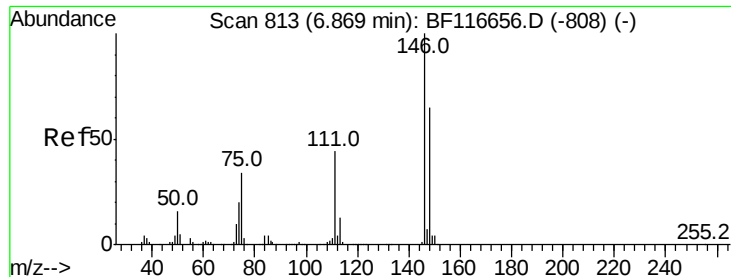
mohammad
9/24/2019 8:33:07 AM



#12
1,3-Dichlorobenzene
Concen: 46.696 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	64.0	51.3	76.9
75	35.1	26.6	40.0





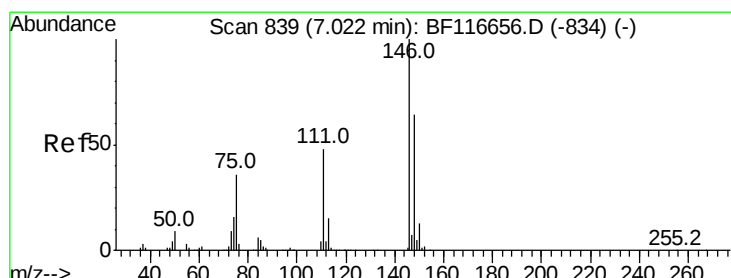
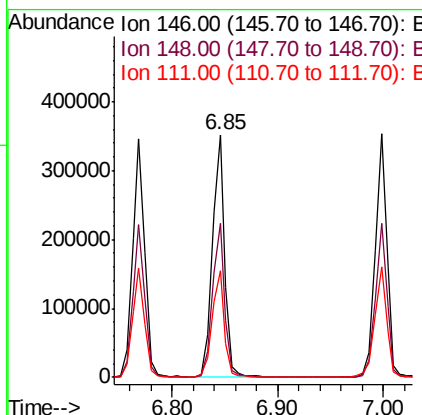
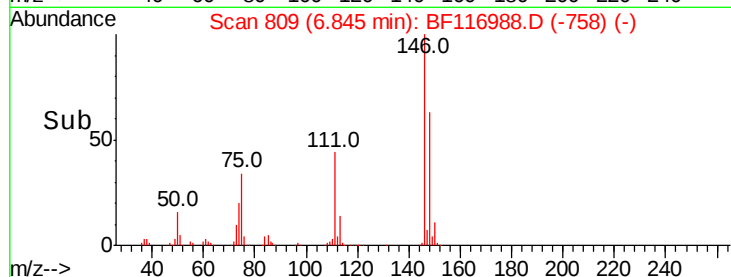
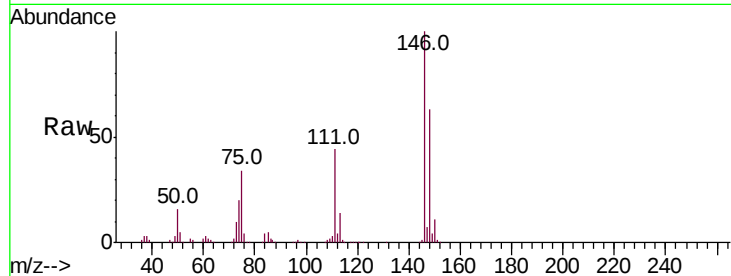
#13
1,4-Dichlorobenzene
Concen: 48.173 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	292214		
148	63.2	51.8	77.6	
111	43.9	33.4	50.2	

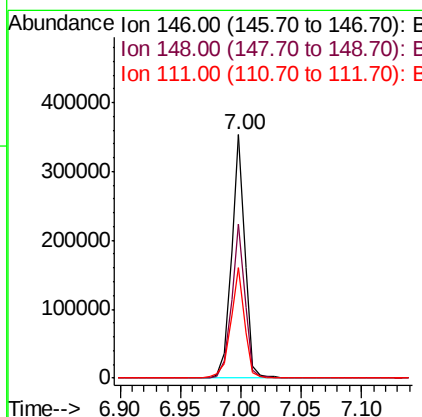
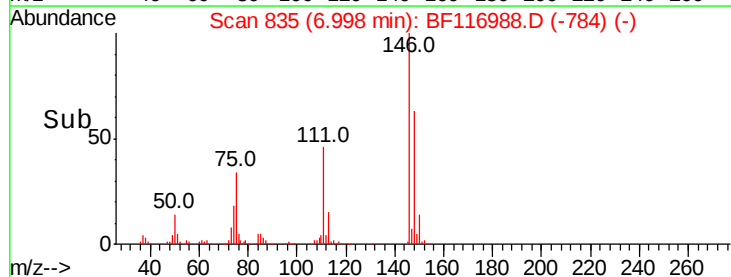
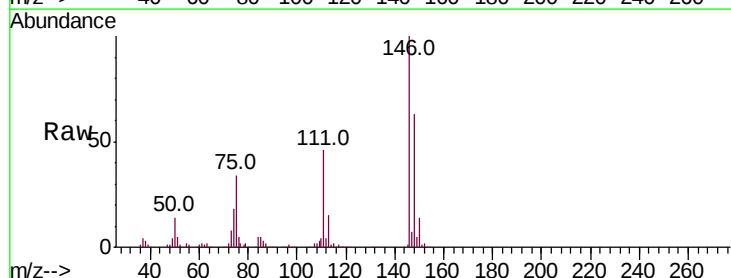
Manual Integrations
APPROVED

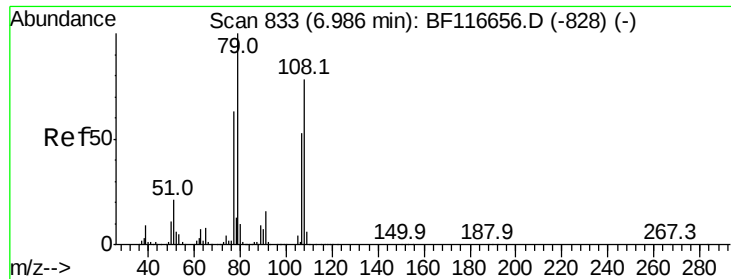
mohammad
9/24/2019 8:33:07 AM



#14
1,2-Dichlorobenzene
Concen: 48.424 ng
RT: 7.00 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272212		
148	63.1	51.7	77.5	
111	45.5	37.2	55.8	





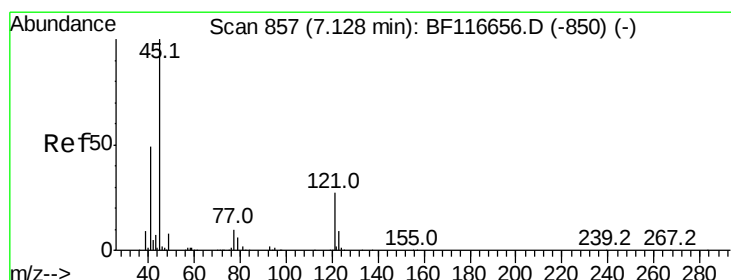
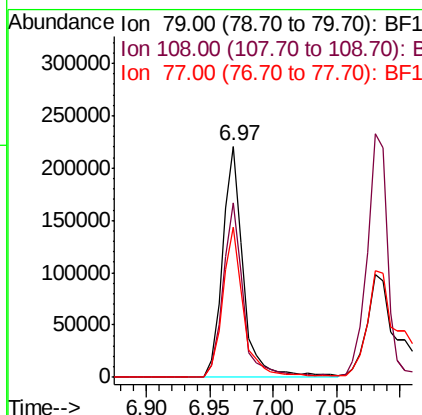
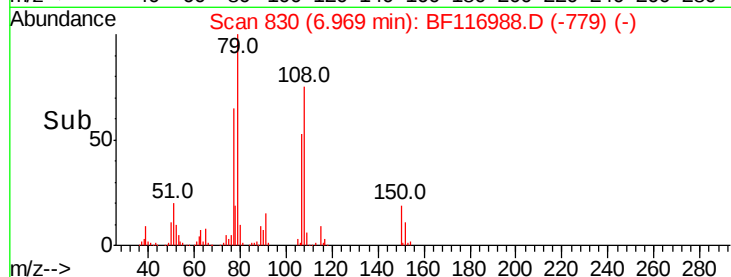
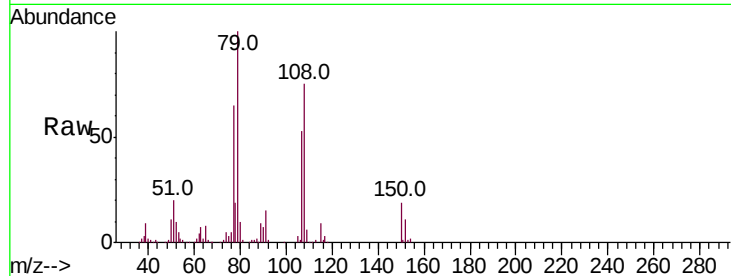
#15
Benzyl Alcohol
Concen: 47.418 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp Lower	Upper
79	100		
108	75.3	60.2	90.4
77	65.1	51.5	77.3

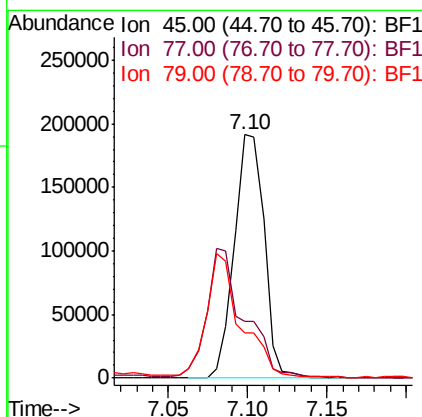
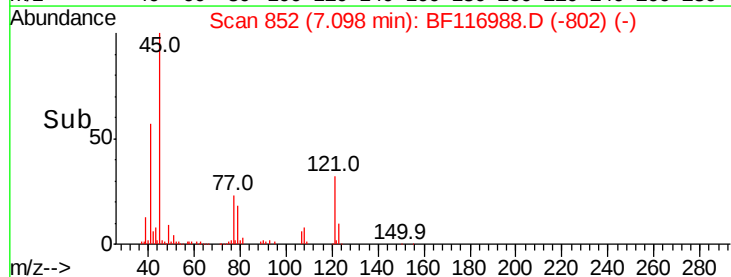
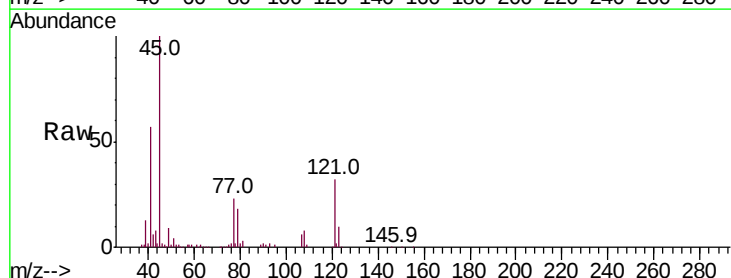
Manual Integrations
APPROVED

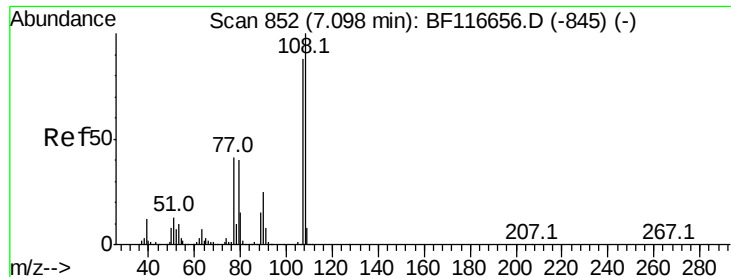
mohammad
9/24/2019 8:33:07 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.117 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
45	100		
77	23.4	2.7	42.7
79	18.5	0.0	38.5





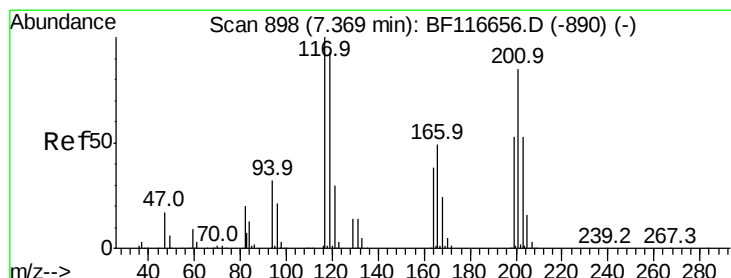
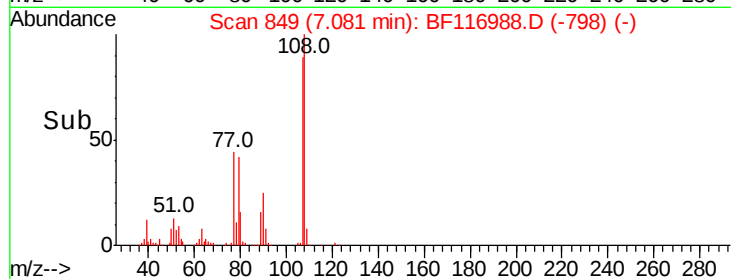
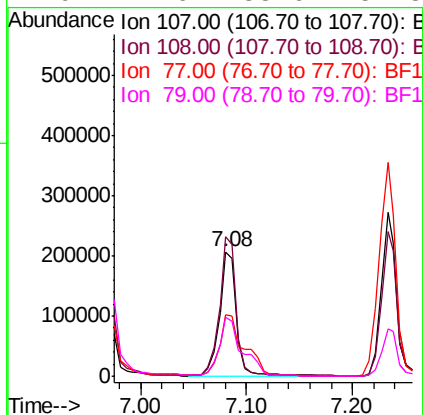
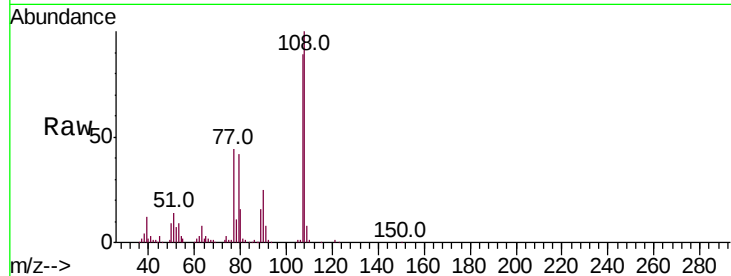
#17
2-Methylphenol
Concen: 49.289 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampled :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	90.9	136.3	
77	49.2	38.6	58.0	
79	47.6	38.6	57.8	

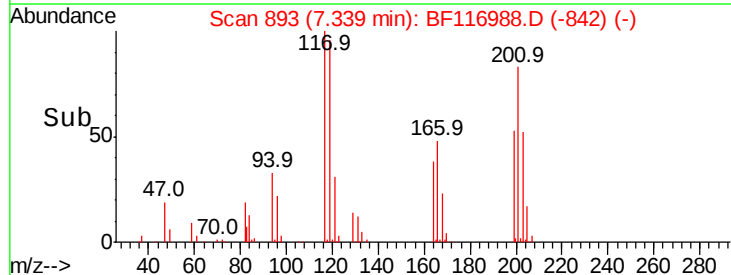
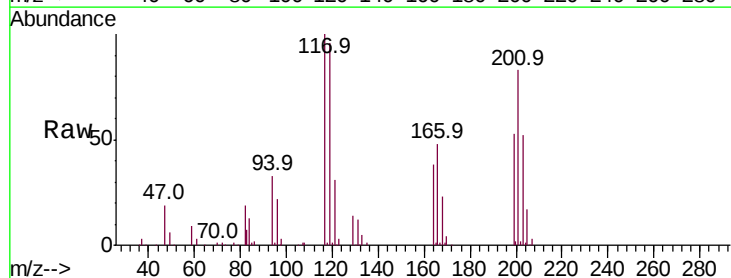
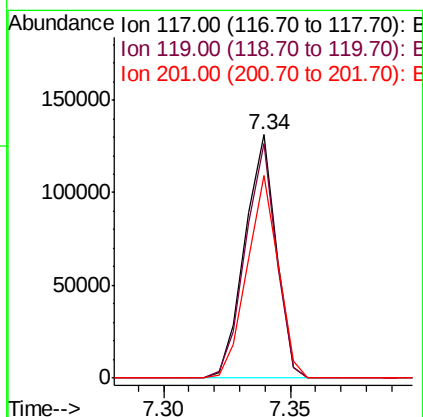
Manual Integrations
APPROVED

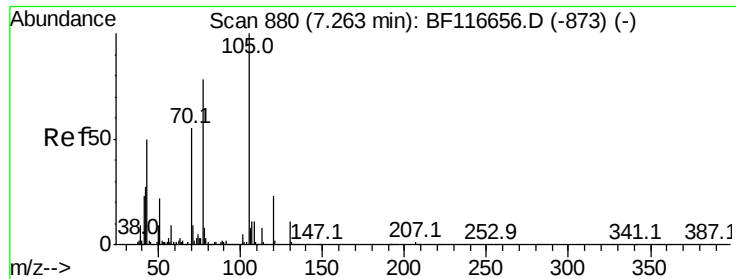
mohammad
9/24/2019 8:33:07 AM



#18
Hexachloroethane
Concen: 48.076 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	76.8	115.2	
201	83.2	68.2	102.2	





#19

n-Nitroso-di-n-propylamine

Concen: 45.460 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: BF116988.D

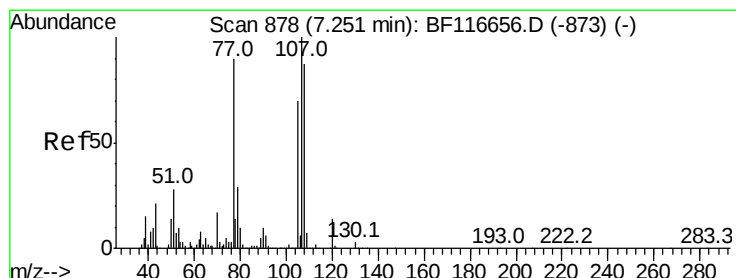
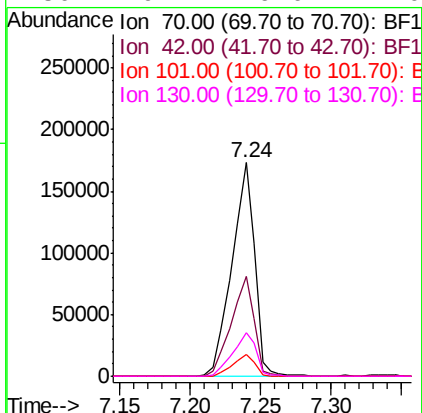
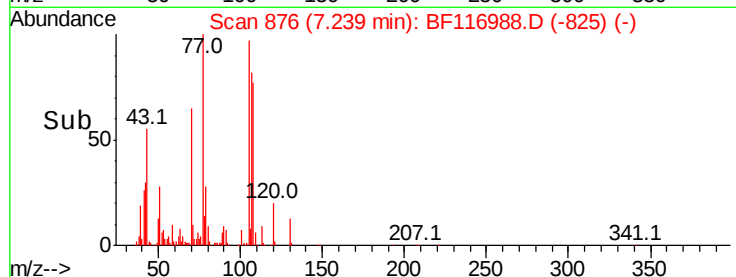
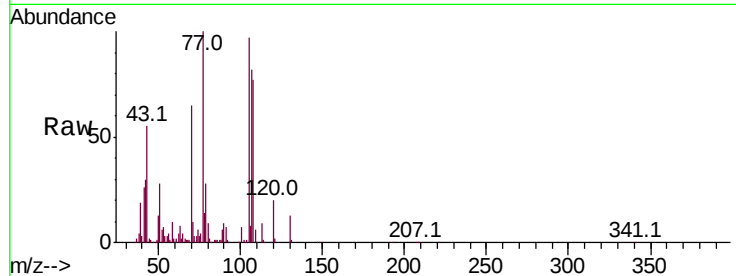
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	46.8	37.0	55.4
101	10.1	7.4	11.2
130	20.7	16.0	24.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#20

3+4-Methylphenols

Concen: 51.664 ng

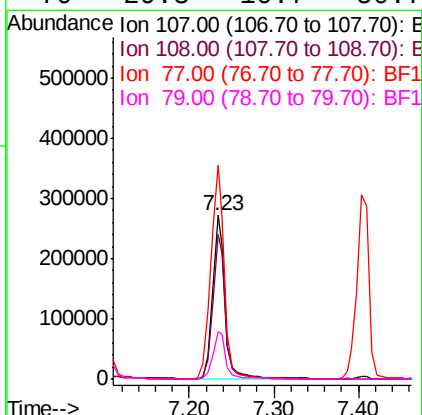
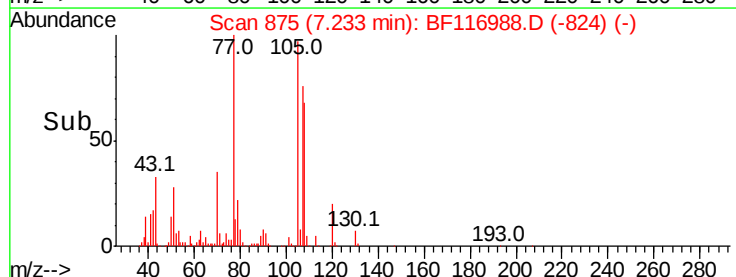
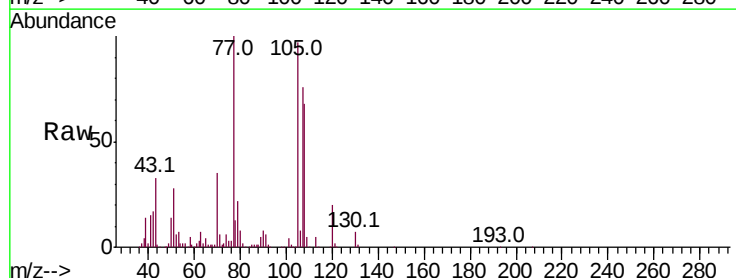
RT: 7.23 min Scan# 875

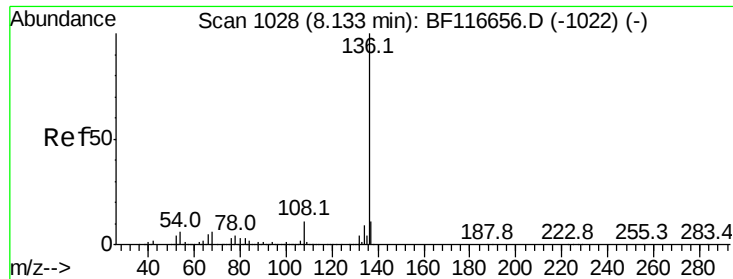
Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.9	71.9	111.9
77	130.8	112.6	152.6
79	29.3	10.7	50.7





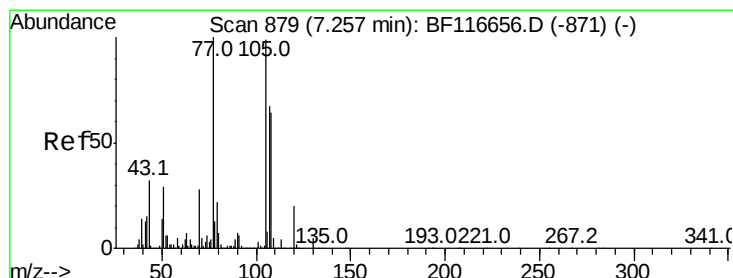
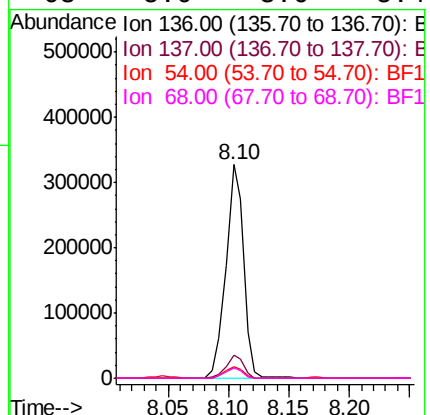
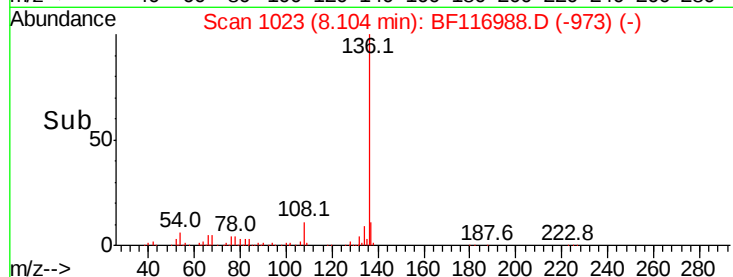
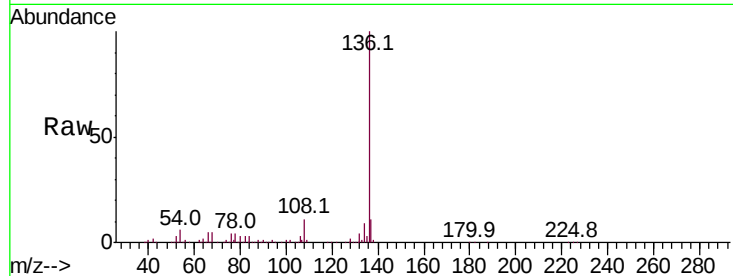
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	331790		
137	11.0	8.5	12.7	
54	5.7	3.8	5.8	
68	5.0	3.6	5.4	

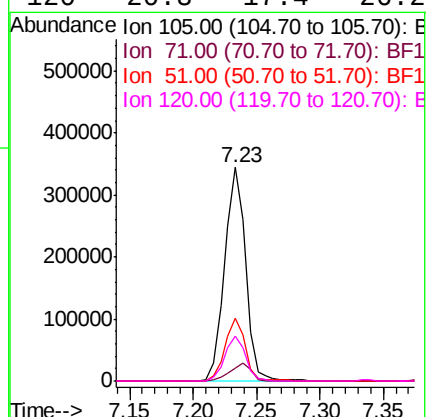
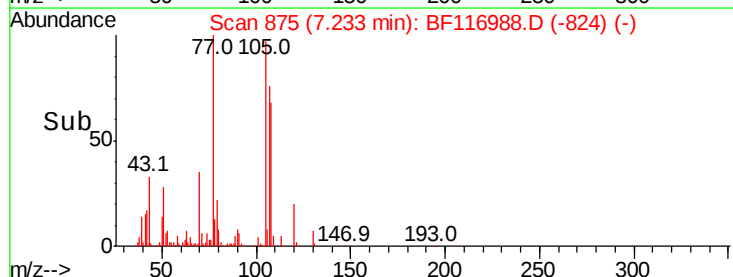
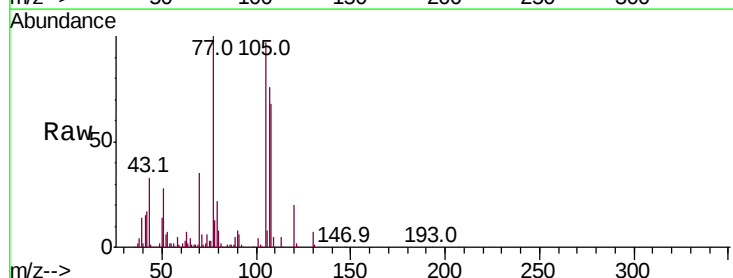
Manual Integrations
APPROVED

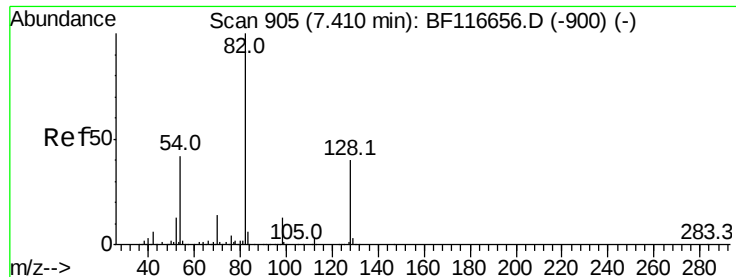
mohammad
9/24/2019 8:33:07 AM



#22
Acetophenone
Concen: 49.839 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398112		
71	5.7	4.2	6.4	
51	29.2	24.6	37.0	
120	20.8	17.4	26.2	





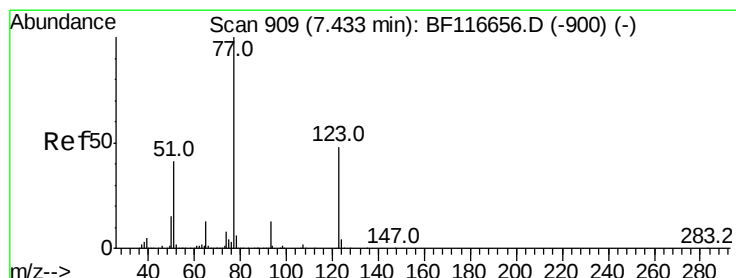
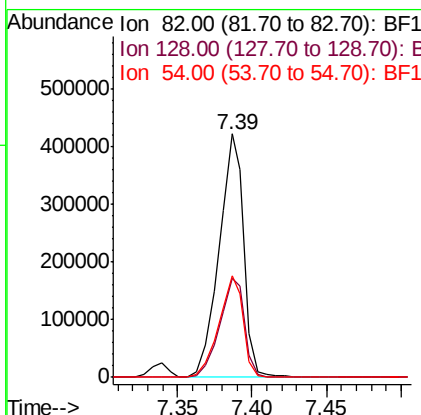
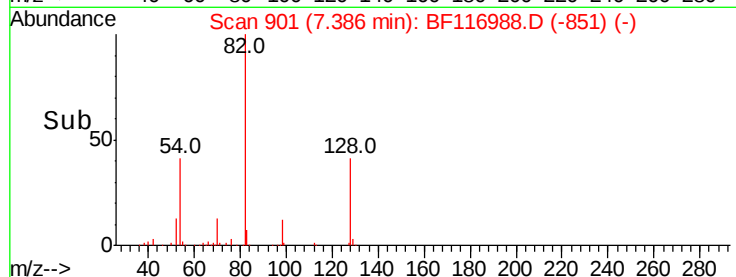
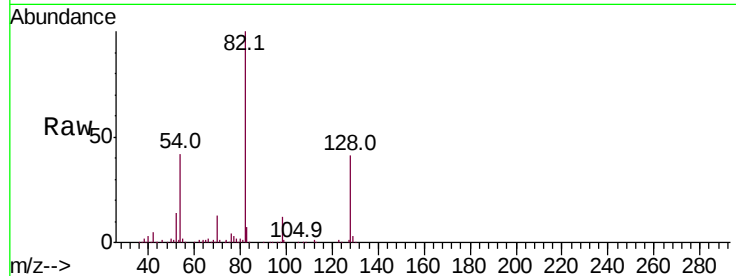
#23
Nitrobenzene-d5
Concen: 83.974 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.9	35.0	52.4	
54	41.6	32.6	48.8	

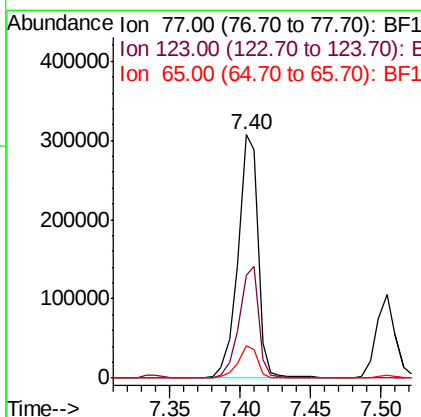
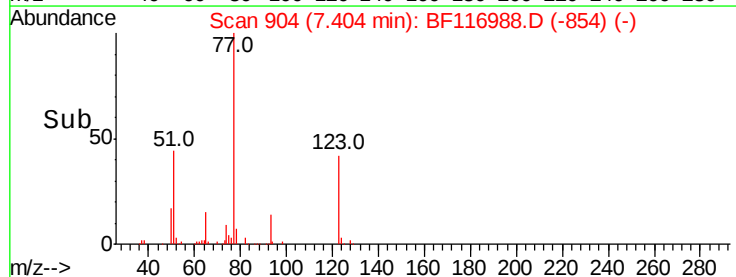
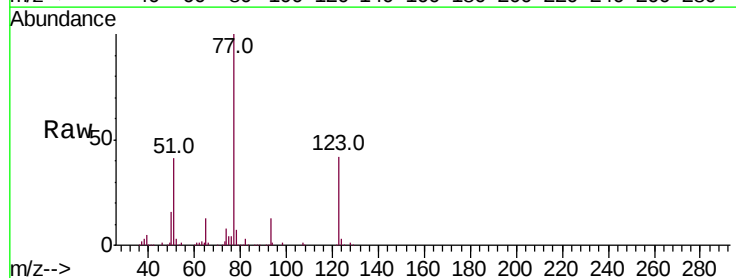
Manual Integrations
APPROVED

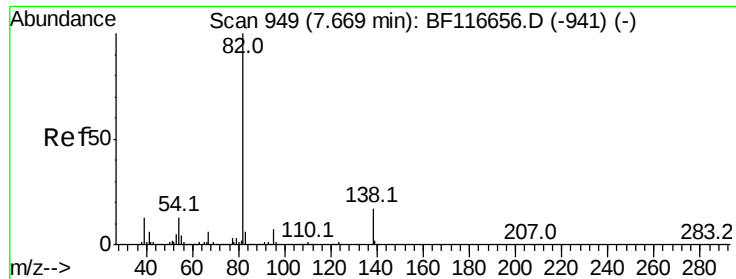
mohammad
9/24/2019 8:33:07 AM



#24
Nitrobenzene
Concen: 51.410 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	42.1	37.7	56.5	
65	13.5	10.3	15.5	





#25

Isophorone

Concen: 46.614 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

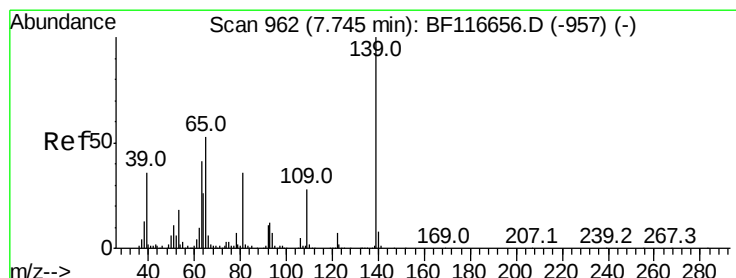
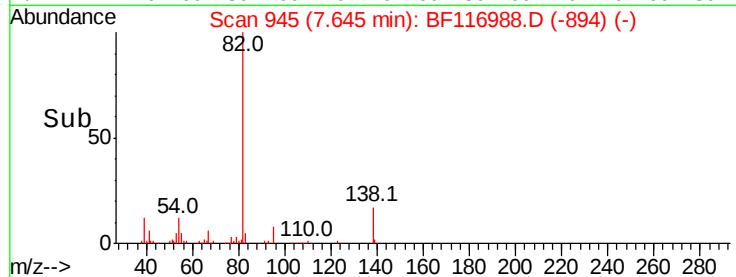
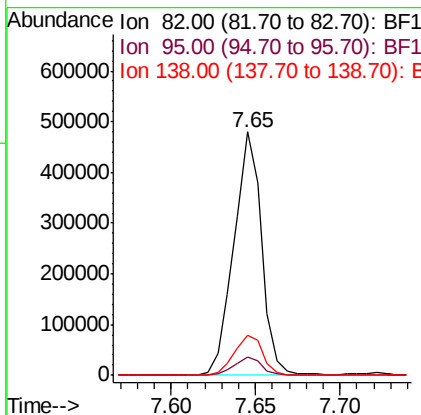
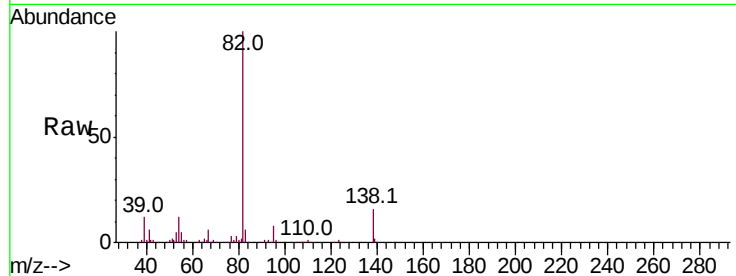
ClientSampleId :

PB122916BS

Tot Ion:	82	Resp:	548972
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.0	9.0
138	16.5	13.4	20.2

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#26

2-Nitrophenol

Concen: 65.326 ng

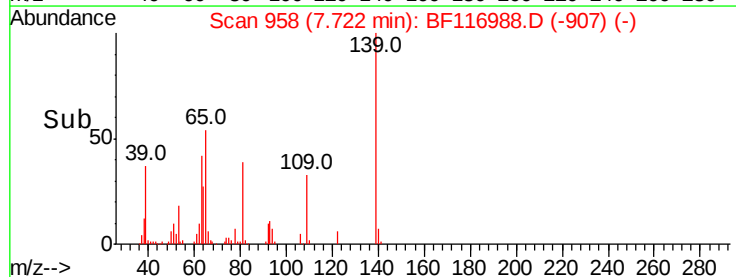
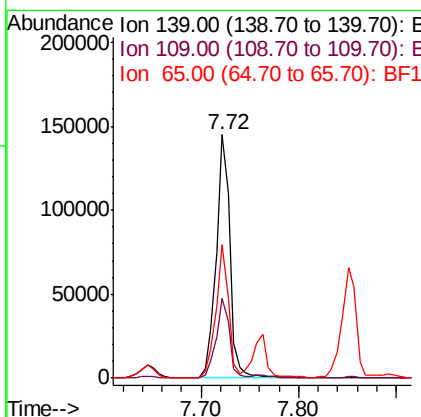
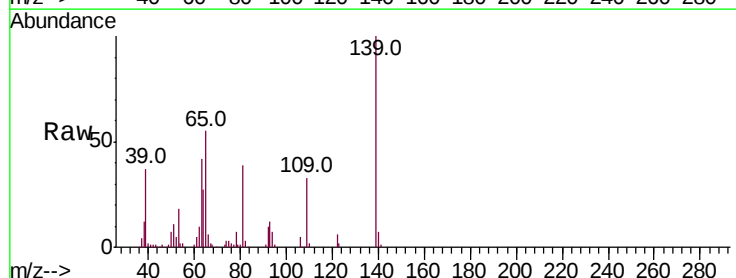
RT: 7.72 min Scan# 958

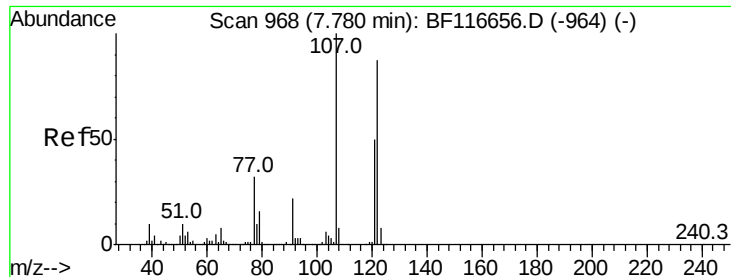
Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	139	Resp:	143561
Ion Ratio	Lower	Upper	
139	100		
109	32.8	26.2	39.4
65	54.6	42.5	63.7





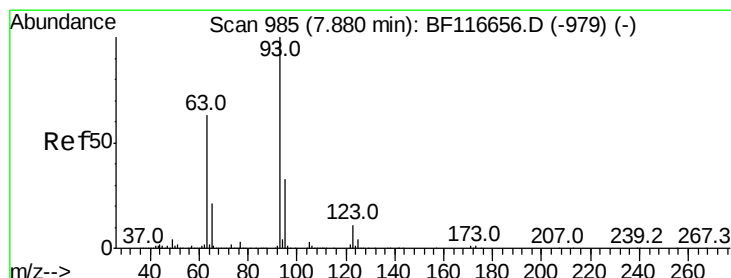
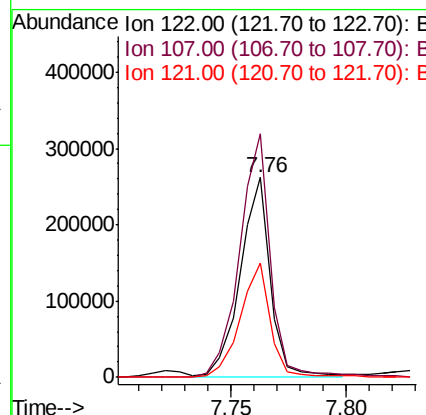
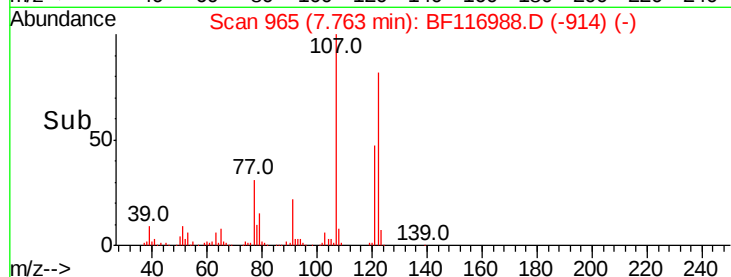
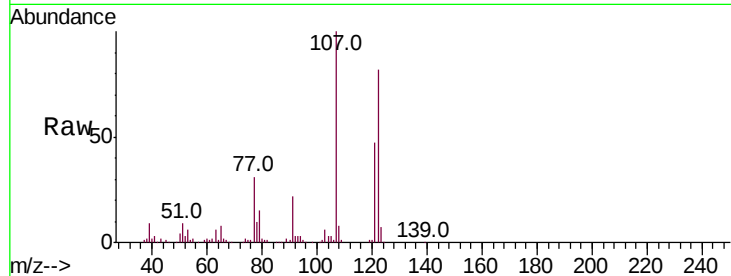
#27
2,4-Dimethylphenol
Concen: 54.026 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	239782		
107	121.8	98.8	148.2	
121	57.4	44.8	67.2	

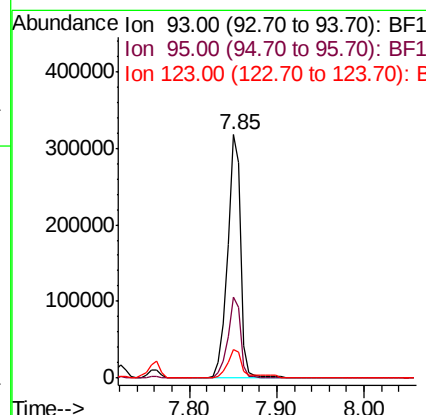
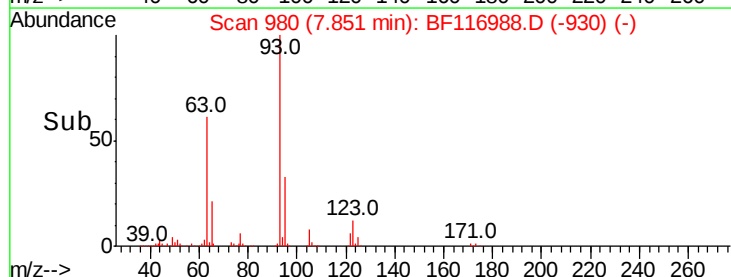
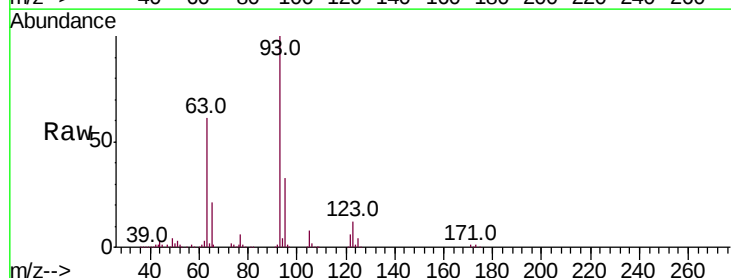
Manual Integrations
APPROVED

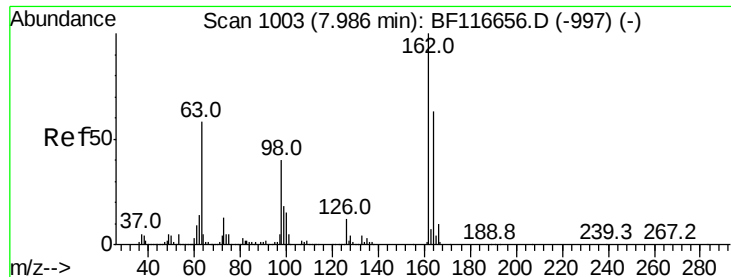
mohammad
9/24/2019 8:33:07 AM



#28
bis(2-Chloroethoxy)methane
Concen: 46.001 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	331064		
95	33.0	26.2	39.2	
123	11.5	9.7	14.5	





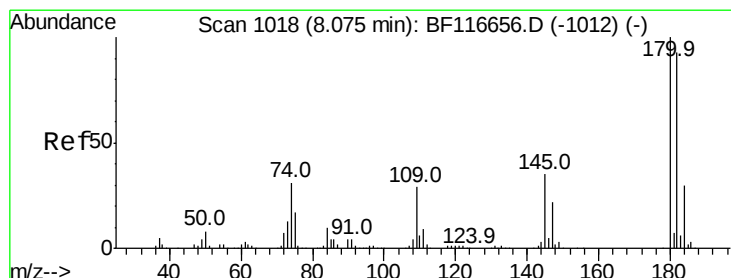
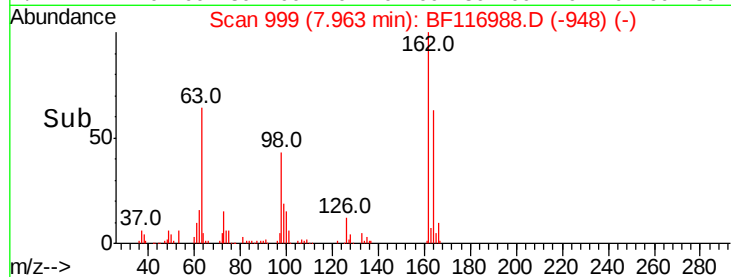
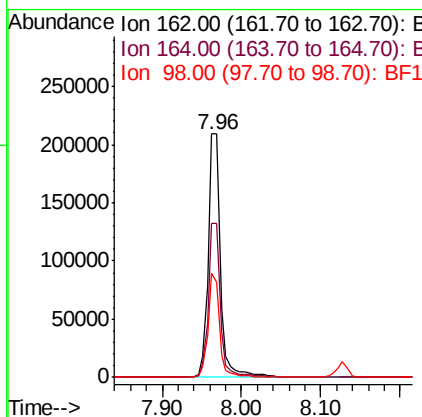
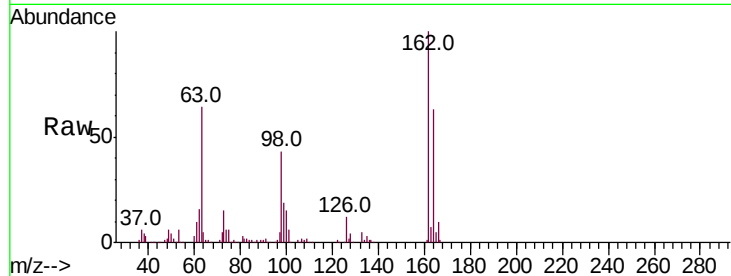
#29
 2,4-Dichlorophenol
 Concen: 52.574 ng
 RT: 7.96 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion:	162	Resp:	224244
Ion Ratio	Lower	Upper	
162	100		
164	63.2	43.8	83.8
98	42.8	22.8	62.8

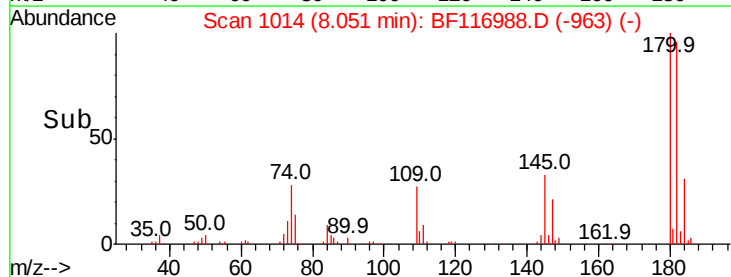
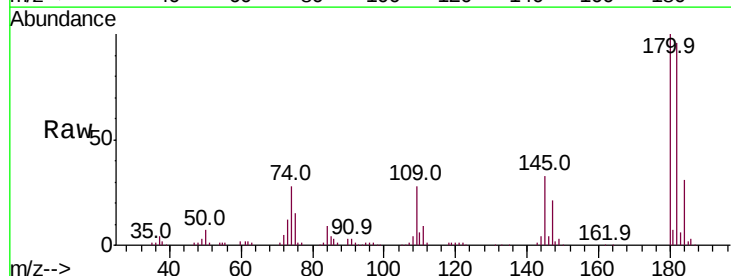
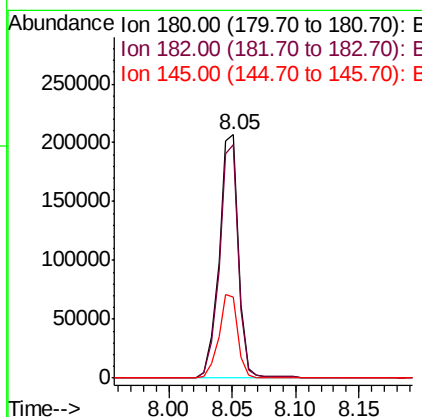
Manual Integrations
 APPROVED

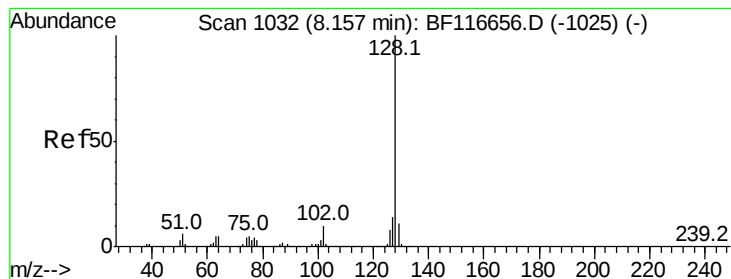
mohammad
 9/24/2019 8:33:07 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 47.824 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion:	180	Resp:	221247
Ion Ratio	Lower	Upper	
180	100		
182	96.1	77.3	115.9
145	33.4	27.4	41.2





#31

Naphthalene

Concen: 49.324 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

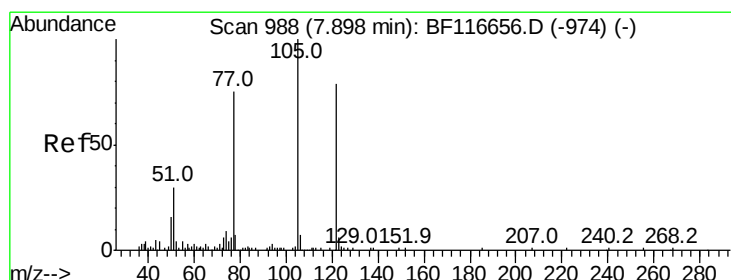
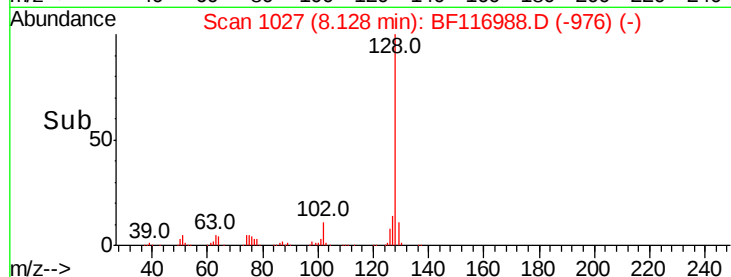
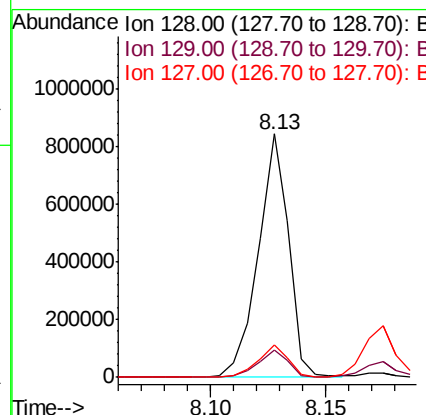
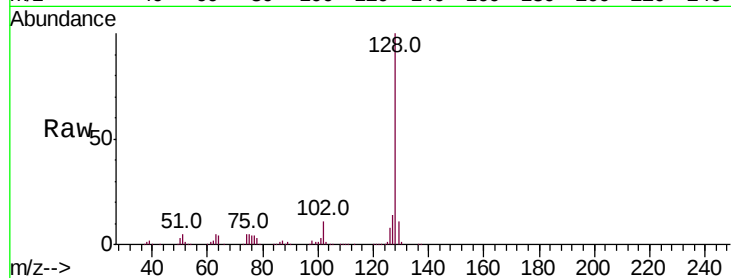
ClientSampleId :

PB122916BS

Tot Ion:	128	Resp:	778179
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.2	13.8
127	13.5	10.6	16.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#32

Benzoic acid

Concen: 56.421 ng

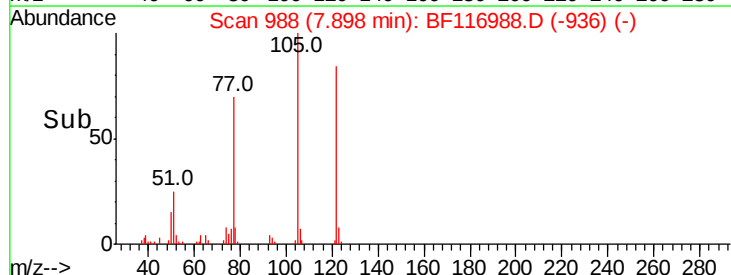
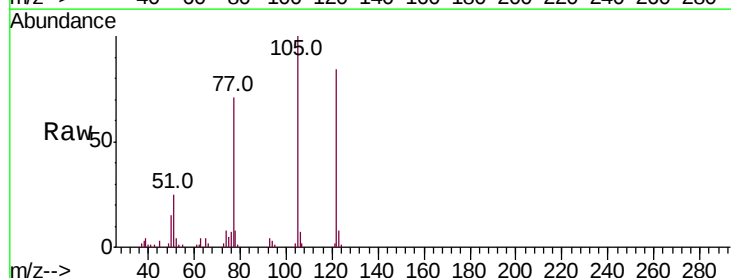
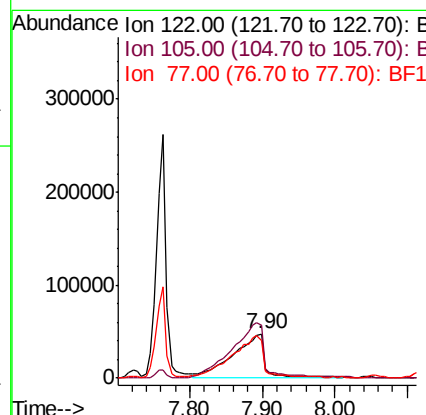
RT: 7.90 min Scan# 988

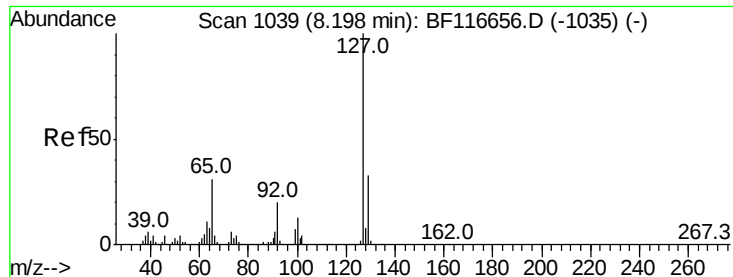
Delta R.T. 0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	122	Resp:	141393
Ion Ratio	Lower	Upper	
122	100		
105	119.3	105.8	145.8
77	85.0	74.3	114.3





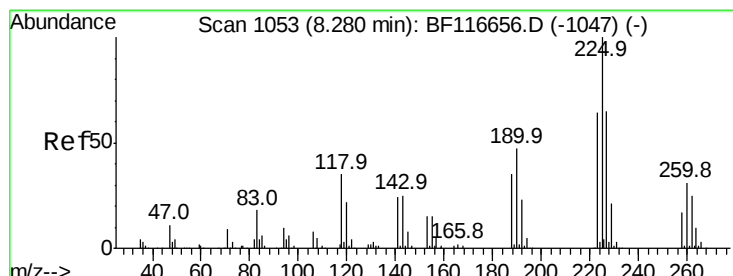
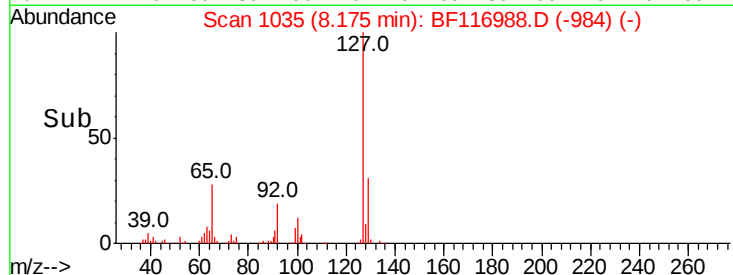
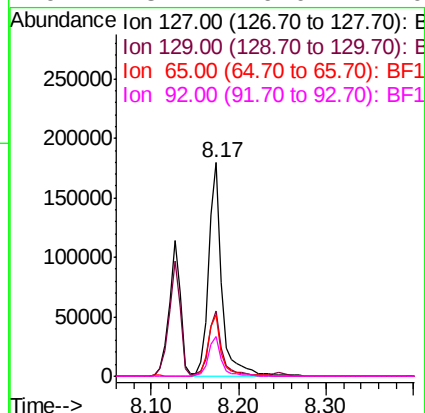
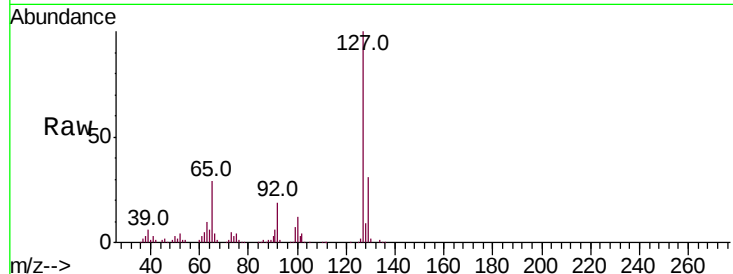
#33
4-Chloroaniline
Concen: 26.460 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		190023		
129	30.7	25.8	38.8		
65	28.8	25.3	37.9		
92	18.7	16.0	24.0		

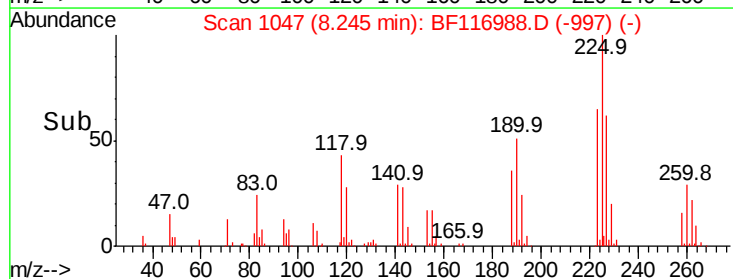
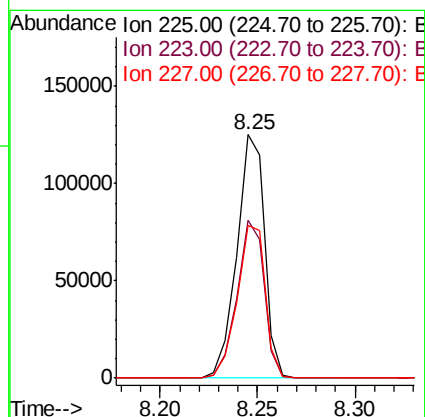
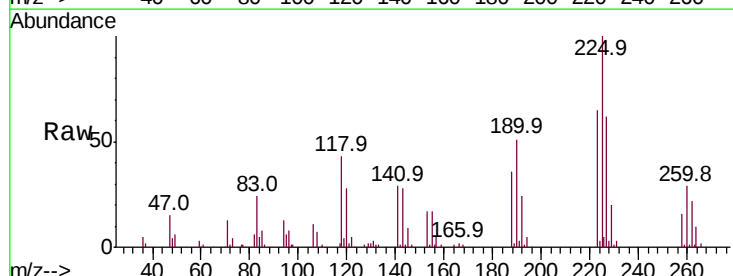
Manual Integrations
APPROVED

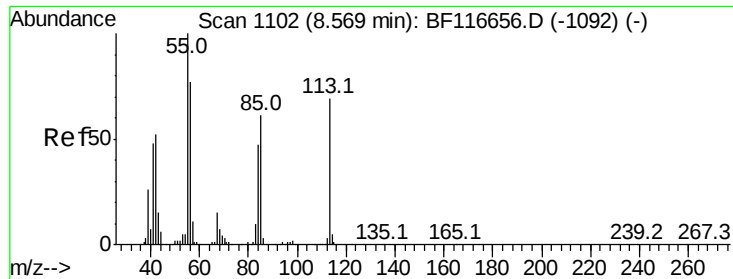
mohammad
9/24/2019 8:33:07 AM



#34
Hexachlorobutadiene
Concen: 48.874 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		123283		
223	64.9	49.8	74.6		
227	62.5	50.6	75.8		





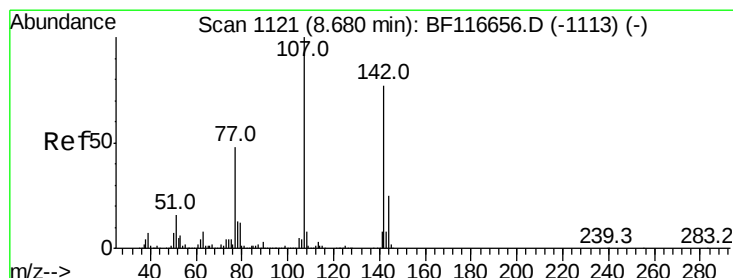
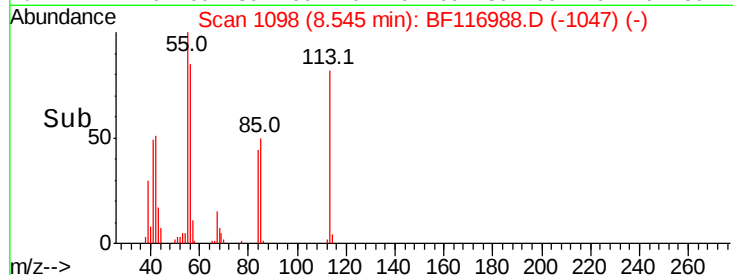
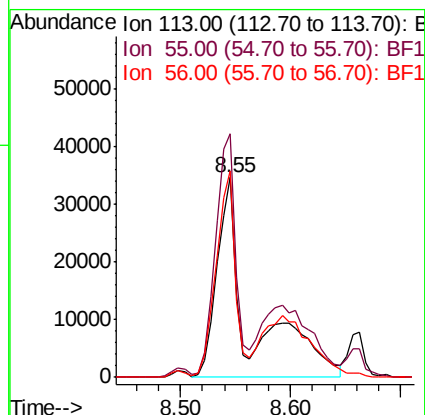
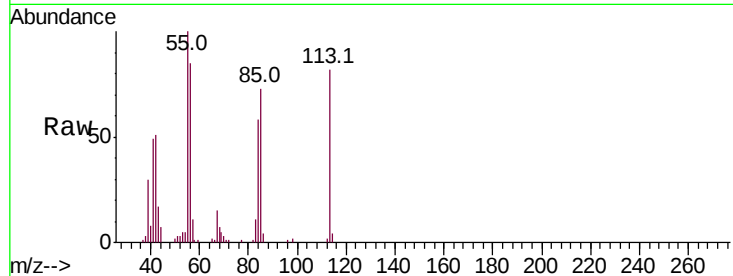
#35
 Caprolactam
 Concen: 44.906 ng/ml
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion:	113	Resp:	71681
Ion Ratio	Lower	Upper	
113	100		
55	122.1	116.6	156.6
56	103.4	91.3	131.3

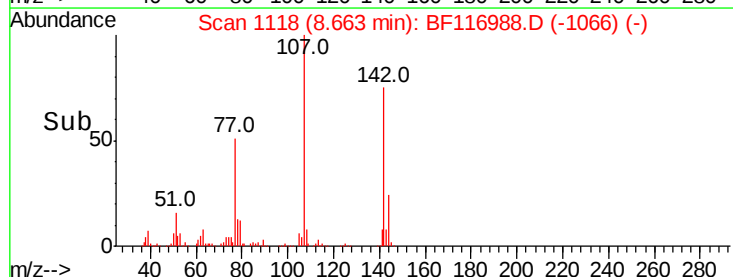
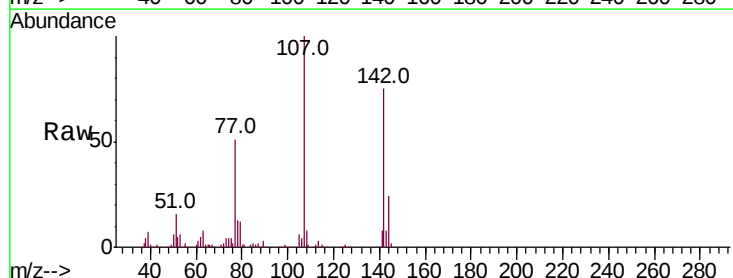
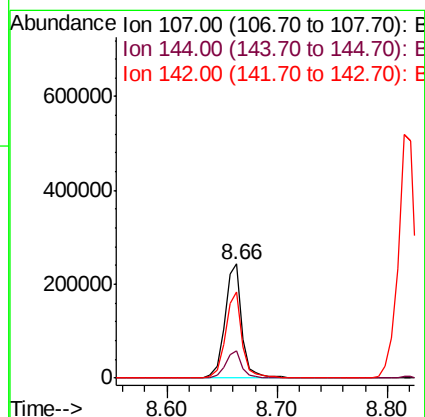
Manual Integrations
 APPROVED

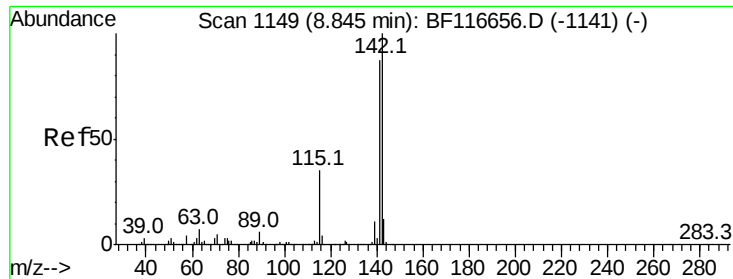
mohammad
 9/24/2019 8:33:07 AM



#36
 4-Chloro-3-methylphenol
 Concen: 53.487 ng/ml
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion:	107	Resp:	262210
Ion Ratio	Lower	Upper	
107	100		
144	24.0	18.6	28.0
142	75.3	55.9	83.9





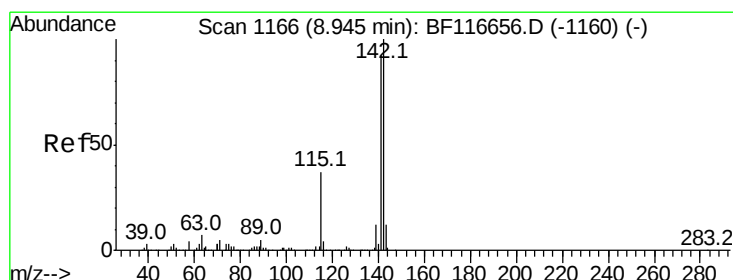
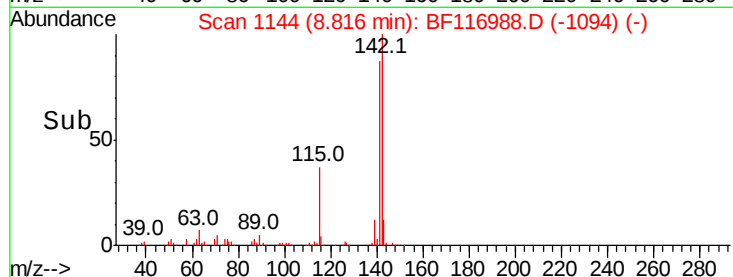
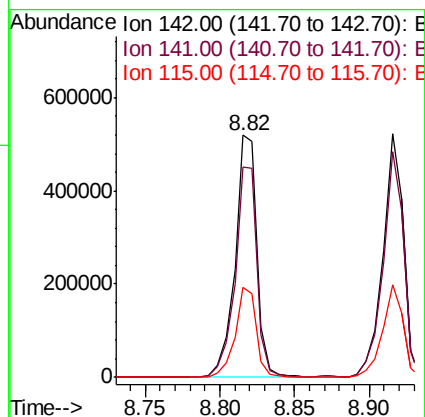
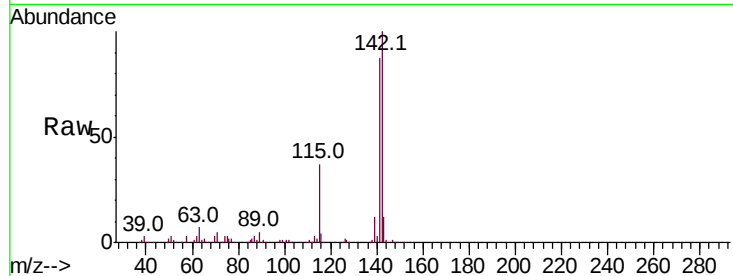
#37
2-Methylnaphthalene
Concen: 51.116 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	536582		
141	86.9	70.5	105.7	
115	37.1	27.7	41.5	

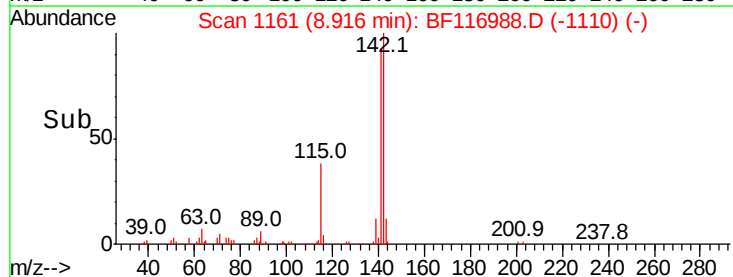
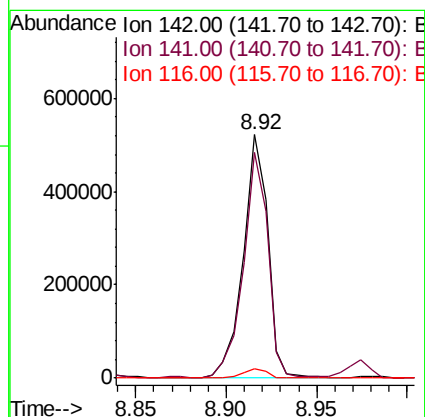
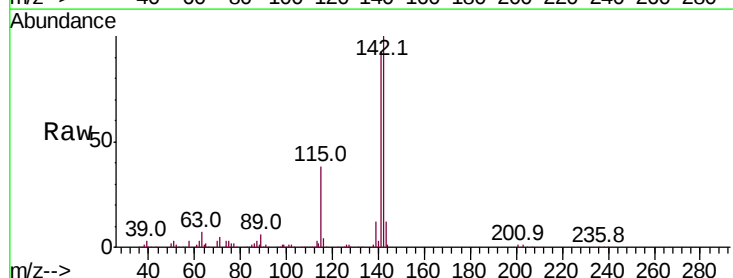
Manual Integrations
APPROVED

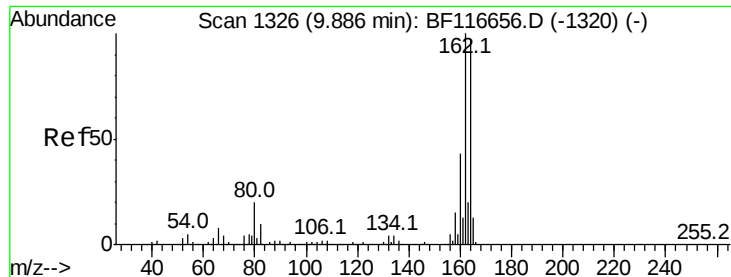
mohammad
9/24/2019 8:33:07 AM



#38
1-Methylnaphthalene
Concen: 49.425 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	489773		
141	92.7	71.9	107.9	
116	3.8	3.2	4.8	





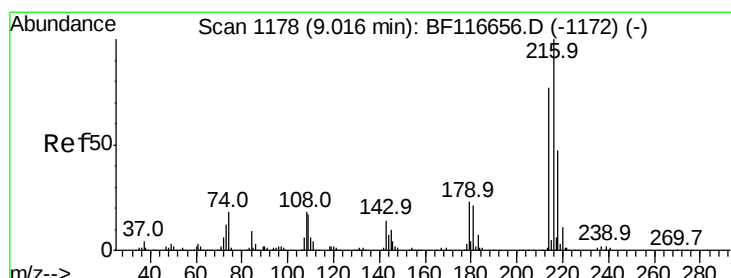
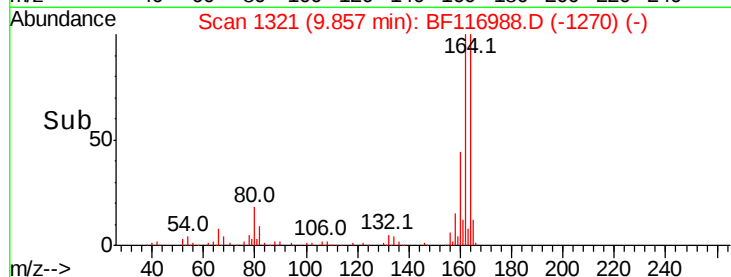
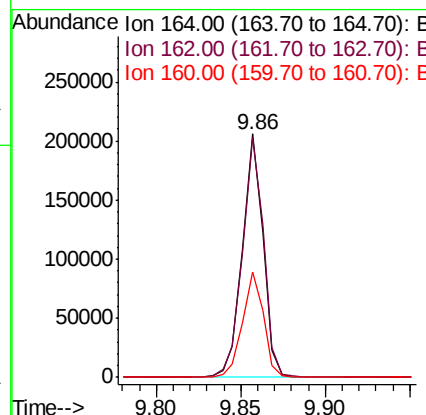
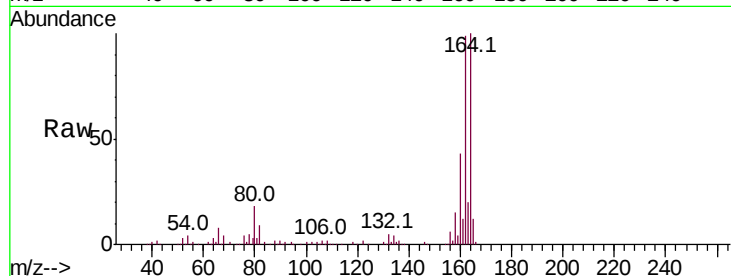
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleID :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	176014		
162	98.6	81.8	122.6	
160	43.1	35.7	53.5	

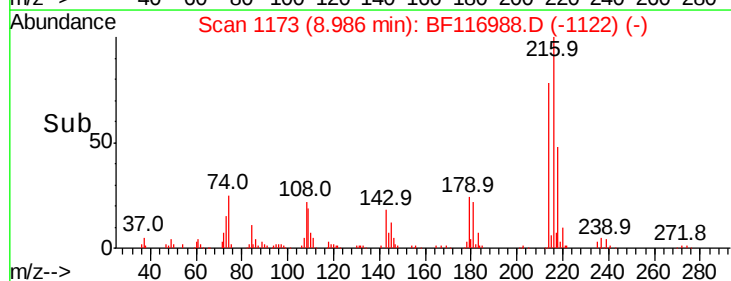
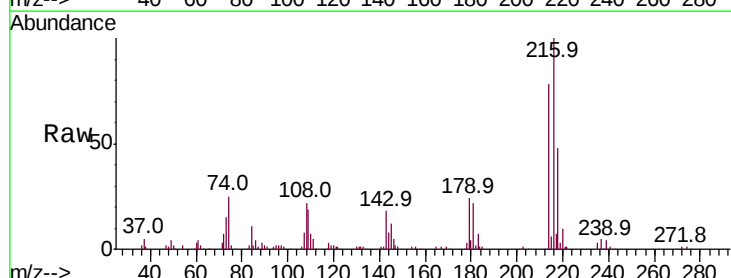
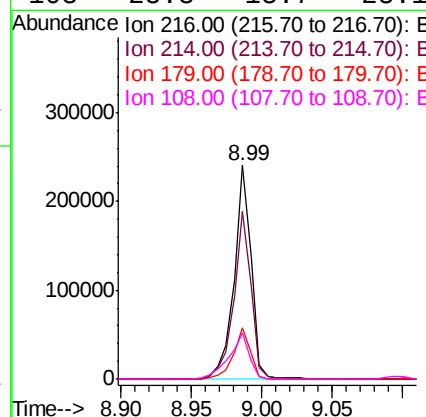
Manual Integrations
APPROVED

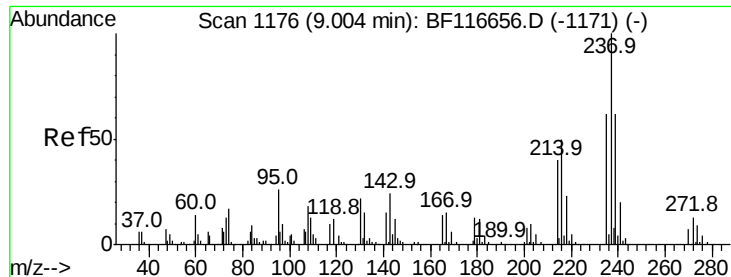
mohammad
9/24/2019 8:33:07 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.946 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	202303		
214	79.4	63.4	95.2	
179	23.7	19.3	28.9	
108	25.8	18.7	28.1	





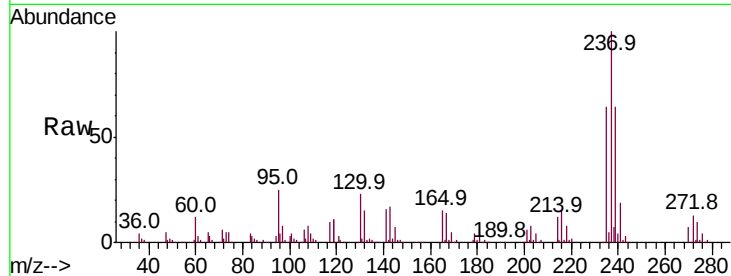
#41
Hexachlorocyclopentadiene
Concen: 89.930 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

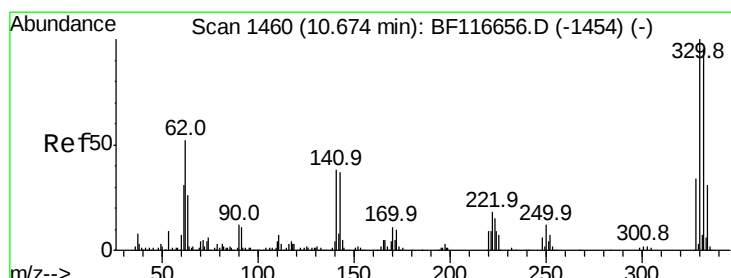
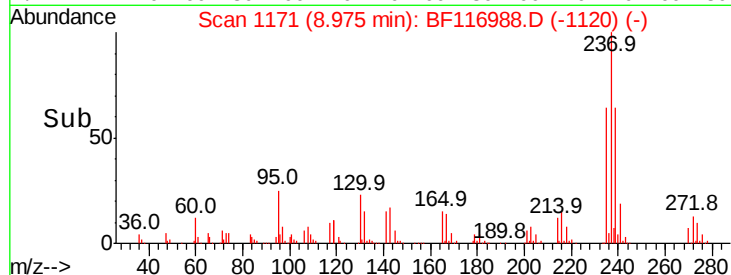
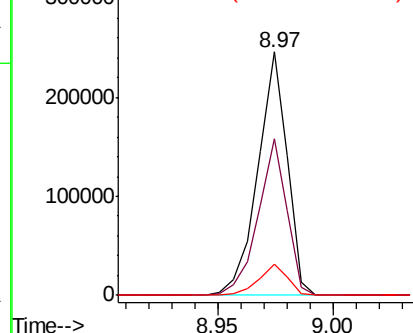
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.2	45.8	85.8
272	12.7	0.0	33.4

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM

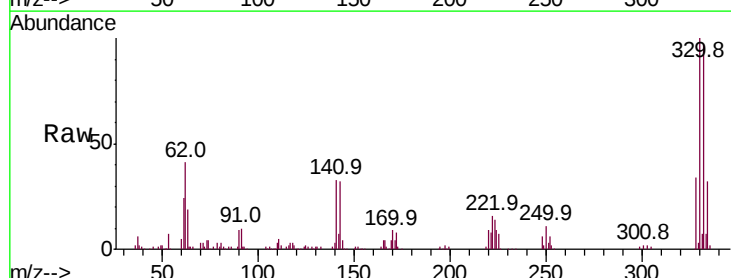


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

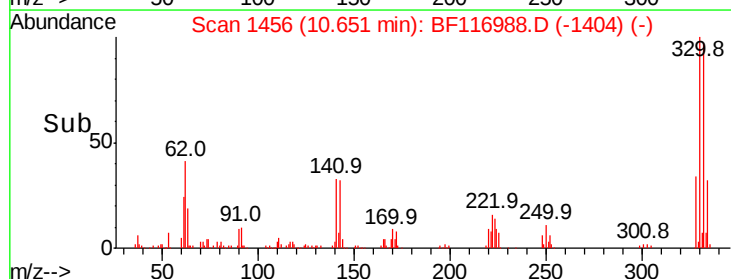
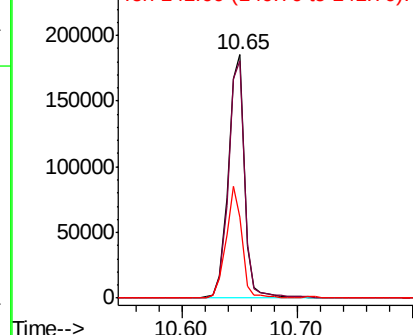


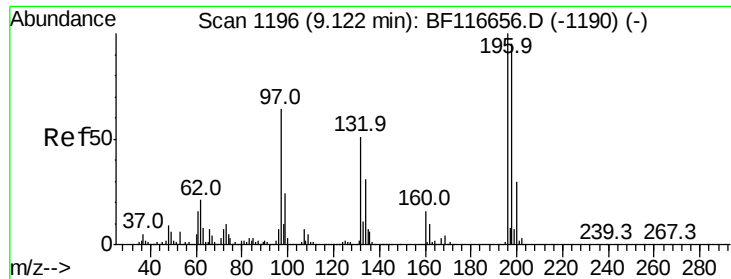
#42
2,4,6-Tribromophenol
Concen: 154.337 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	98.4	75.9	113.9
141	44.8	35.6	53.4



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





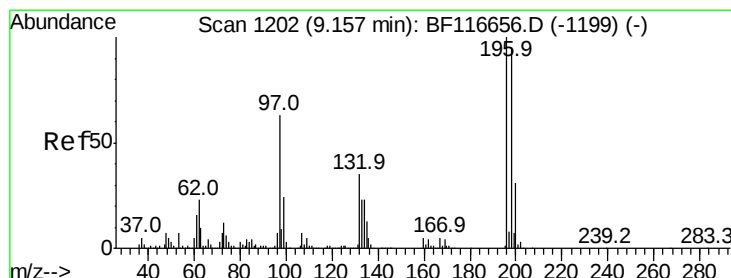
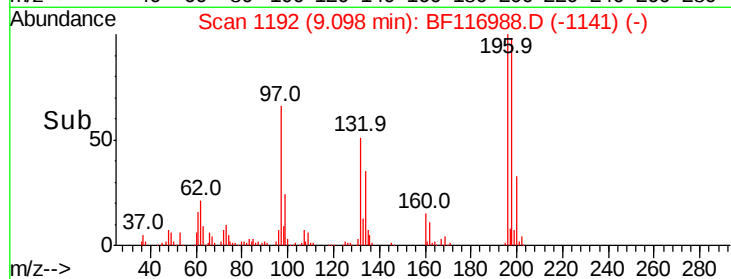
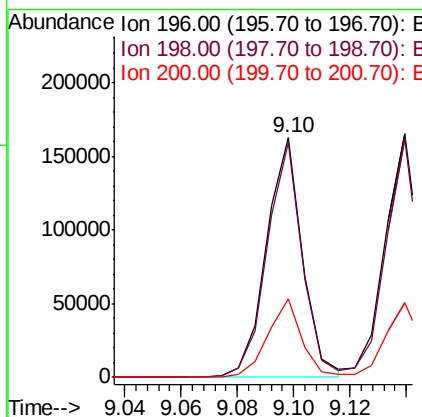
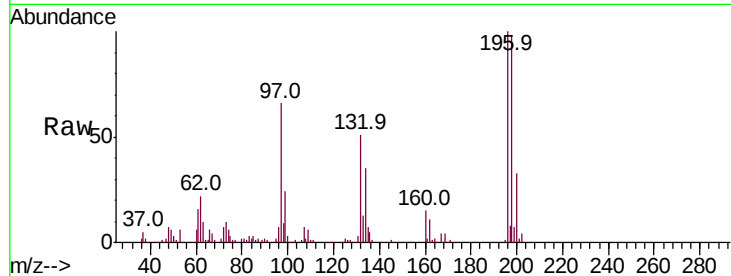
#43
 2,4,6-Trichlorophenol
 Concen: 49.819 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	144096		
198	98.1	77.4	116.0	
200	32.5	24.1	36.1	

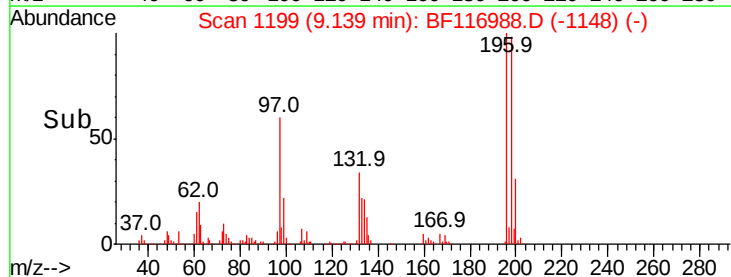
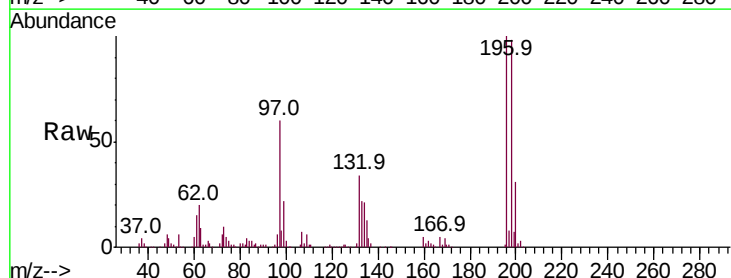
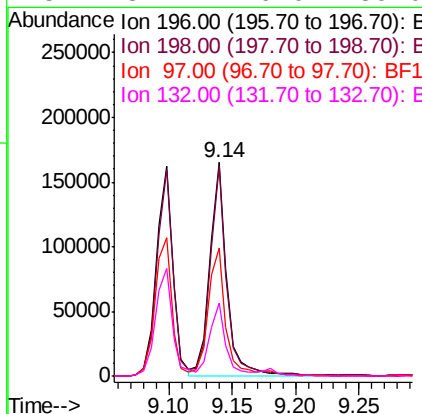
Manual Integrations
 APPROVED

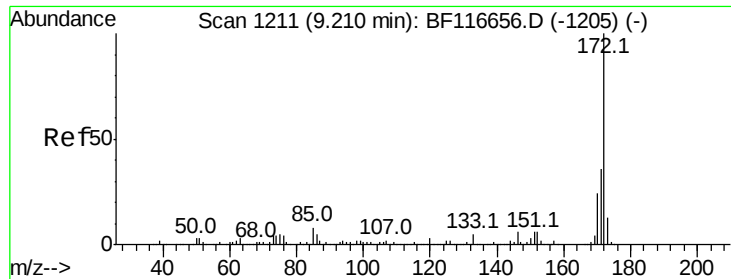
mohammad
 9/24/2019 8:33:07 AM



#44
 2,4,5-Trichlorophenol
 Concen: 52.596 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	157934		
198	98.2	74.7	112.1	
97	59.7	45.4	68.0	
132	34.1	26.0	39.0	





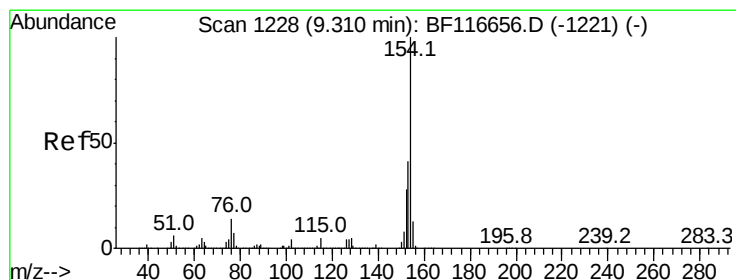
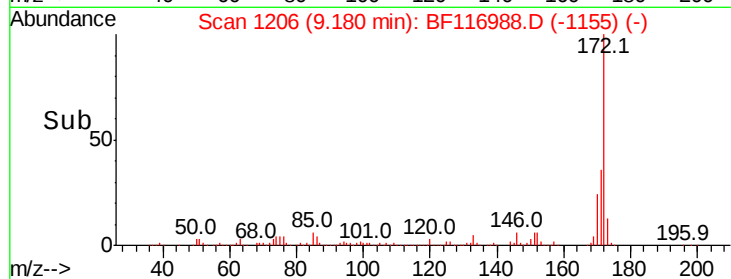
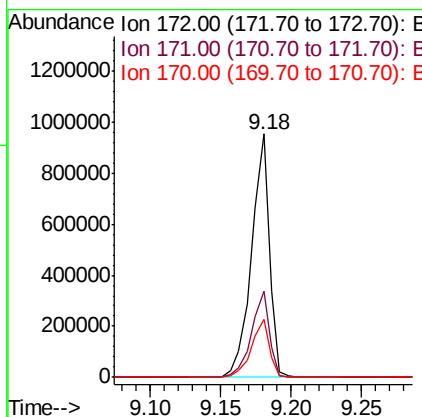
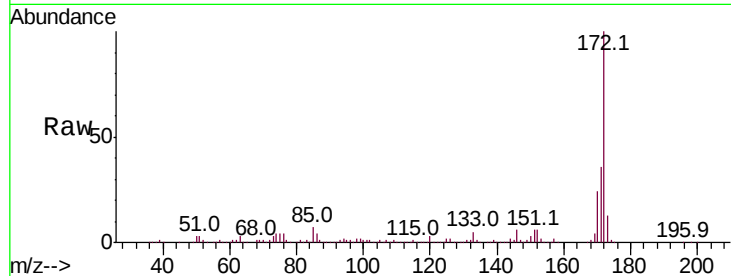
#45
2-Fluorobiphenyl
Concen: 81.819 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.1	43.7	
170	23.7	19.2	28.8	

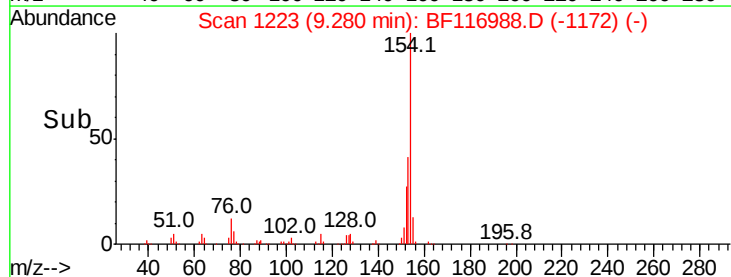
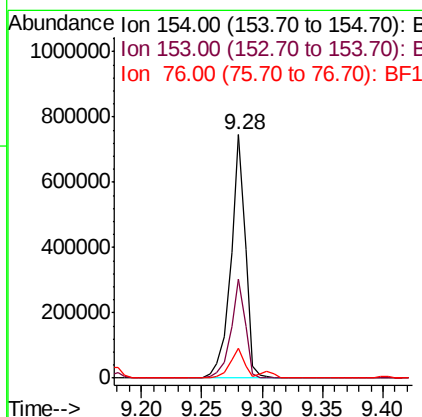
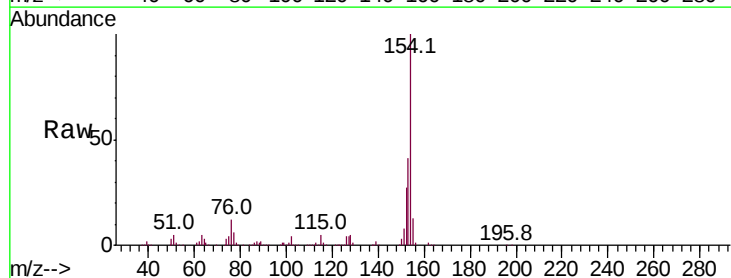
Manual Integrations
APPROVED

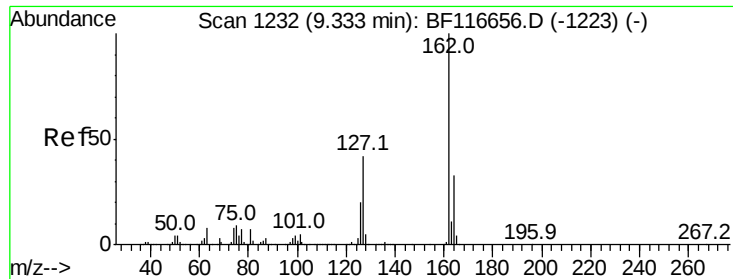
mohammad
9/24/2019 8:33:07 AM



#46
1,1'-Biphenyl
Concen: 46.659 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.5	19.8	59.8	
76	12.2	0.0	32.8	





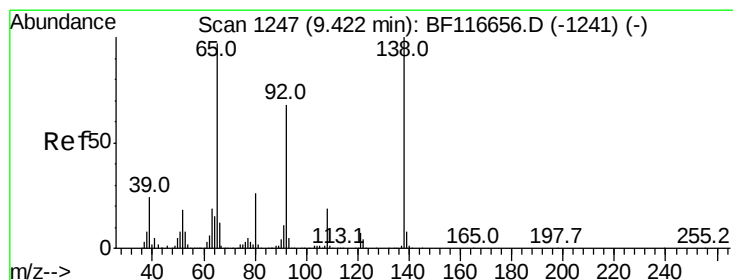
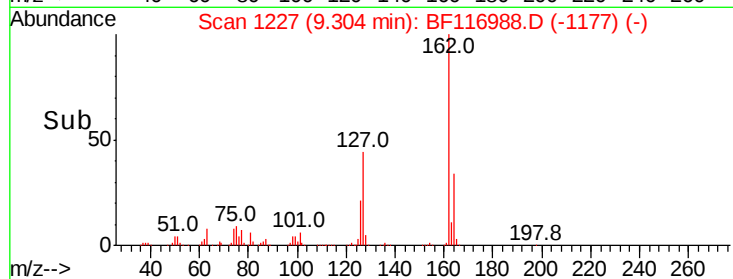
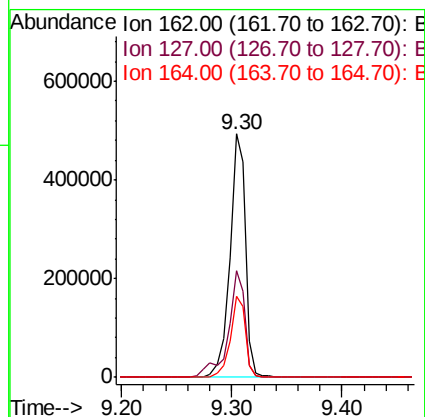
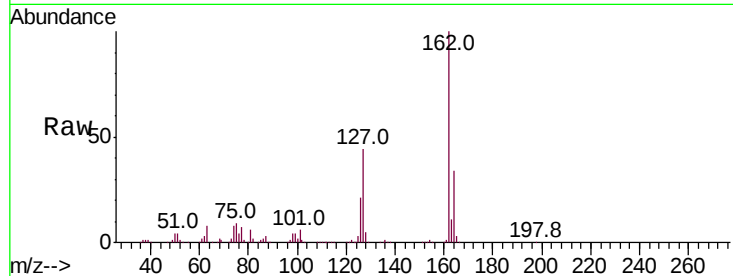
#47
2-Chloronaphthalene
Concen: 45.963 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	486227		
127	43.9	32.7	49.1	
164	33.5	27.0	40.4	

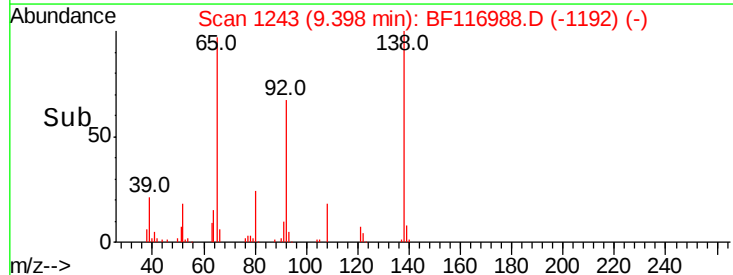
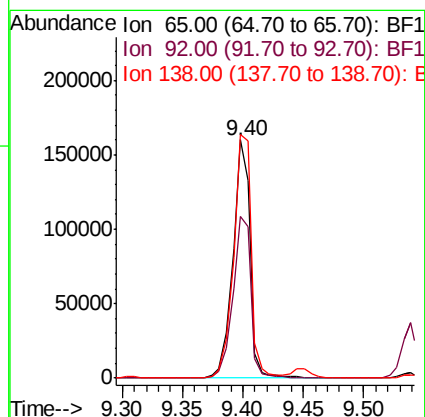
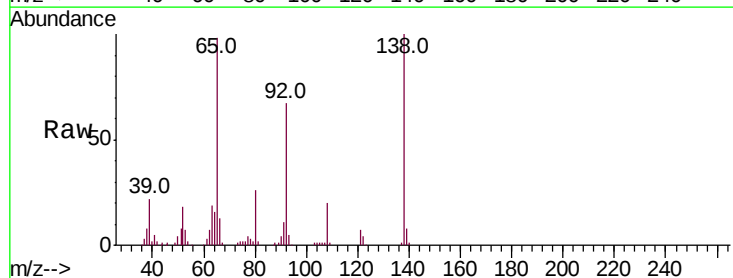
Manual Integrations
APPROVED

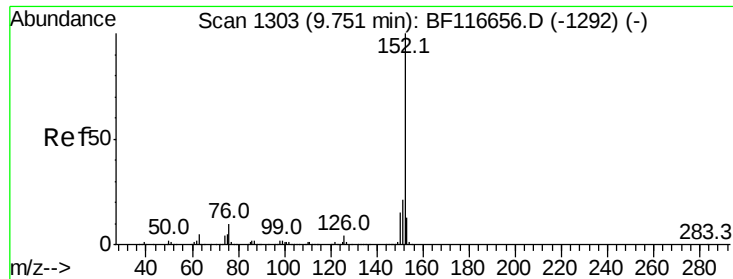
mohammad
9/24/2019 8:33:07 AM



#48
2-Nitroaniline
Concen: 51.804 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	158433		
92	68.1	59.0	88.6	
138	102.2	84.2	126.2	





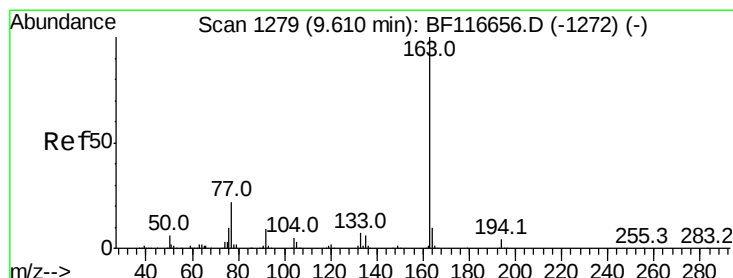
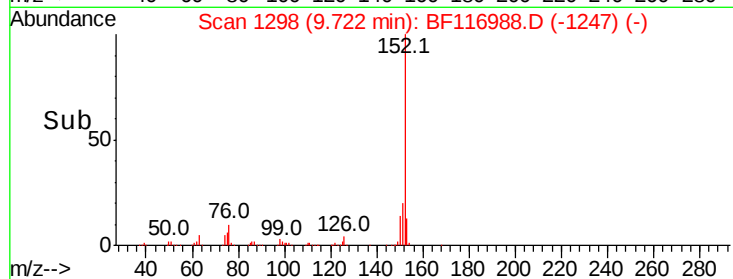
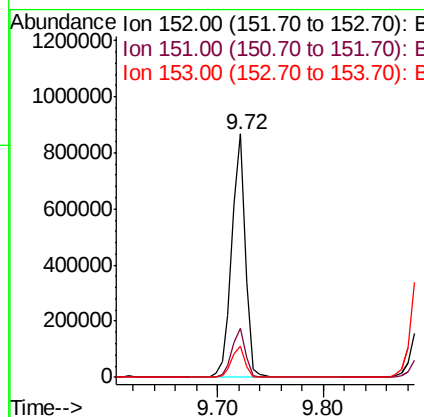
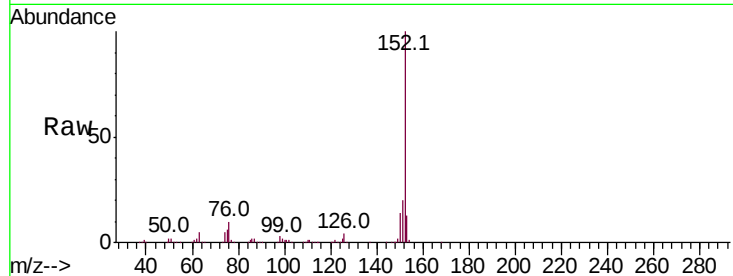
#49
Acenaphthylene
Concen: 48.033 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	768084		
151	20.2		16.1	24.1
153	13.0		10.3	15.5

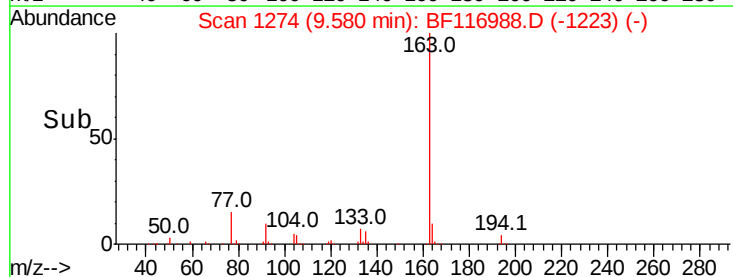
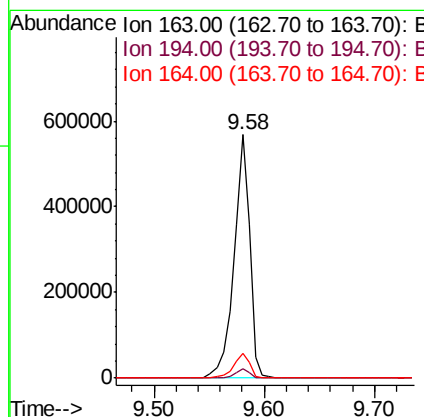
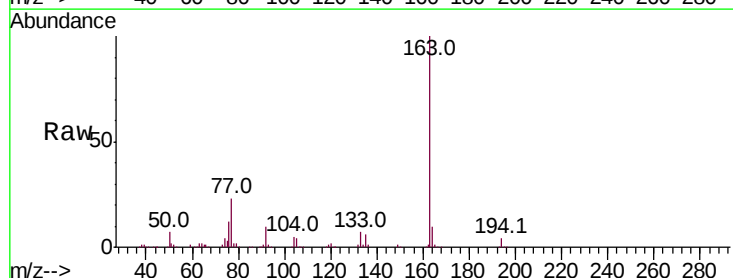
Manual Integrations
APPROVED

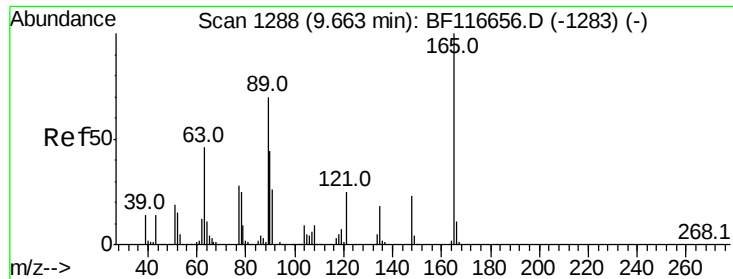
mohammad
9/24/2019 8:33:07 AM



#50
Dimethylphthalate
Concen: 46.638 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	566741		
194	3.6		2.7	4.1
164	10.2		8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 55.058 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

ClientSampleId :

PB122916BS

Tot Ion:165 Resp: 127652

Ion Ratio Lower Upper

165 100

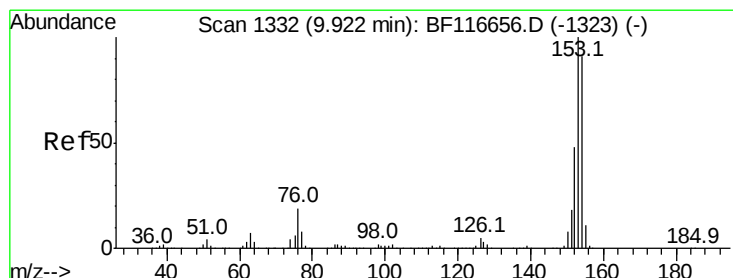
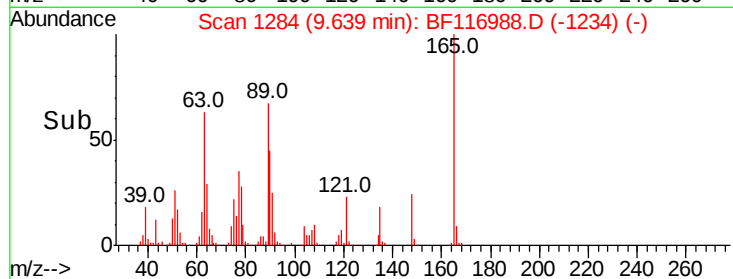
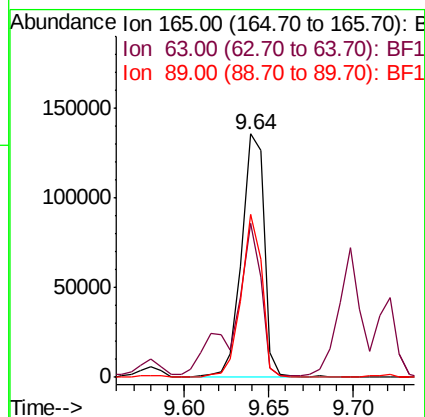
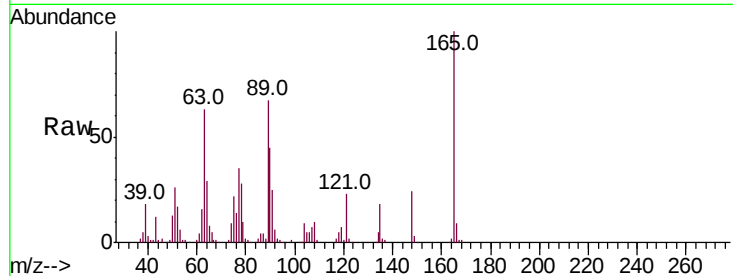
63 63.3 38.0 57.0#

89 67.2 44.1 66.1#

Manual Integrations
APPROVED

mohammad

9/24/2019 8:33:07 AM



#52

Acenaphthene

Concen: 45.585 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

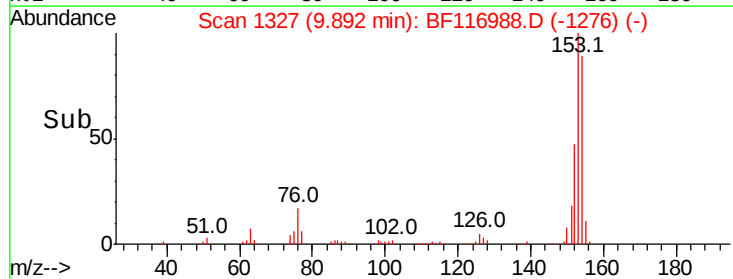
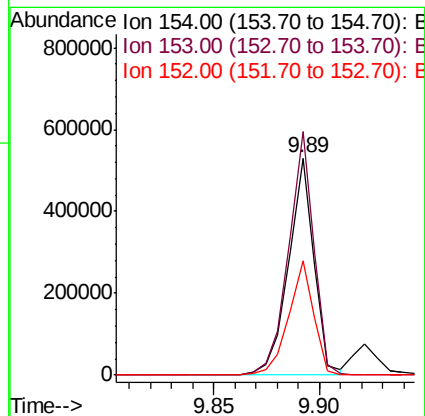
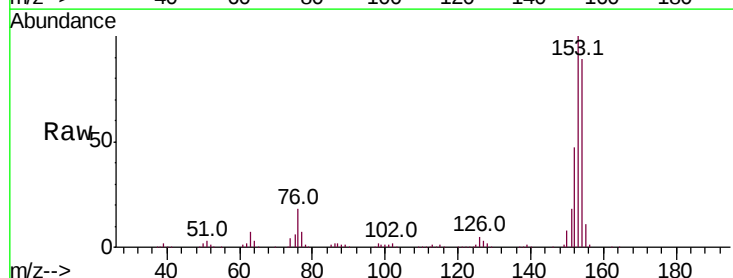
Tgt Ion:154 Resp: 447888

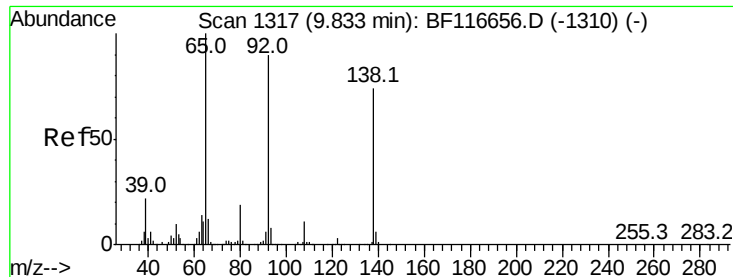
Ion Ratio Lower Upper

154 100

153 112.2 89.9 134.9

152 52.9 42.6 63.8





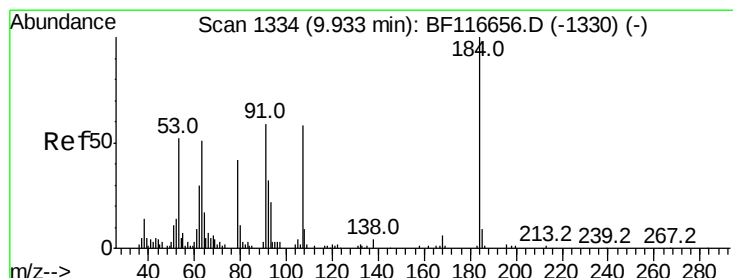
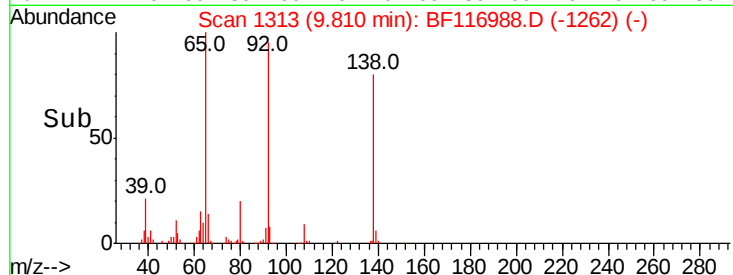
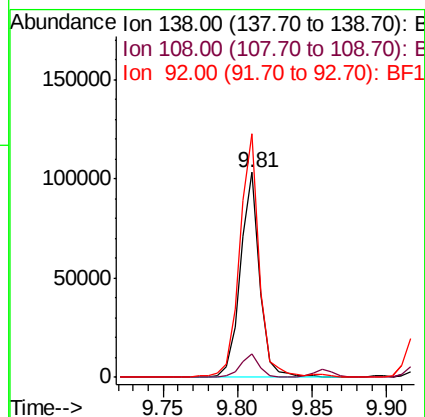
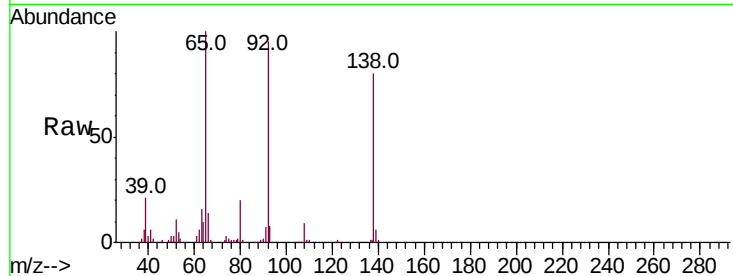
#53
3-Nitroaniline
Concen: 32.100 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.3	13.9
92	118.7	98.9	148.3

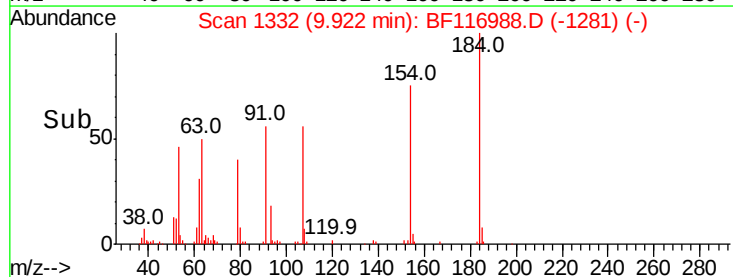
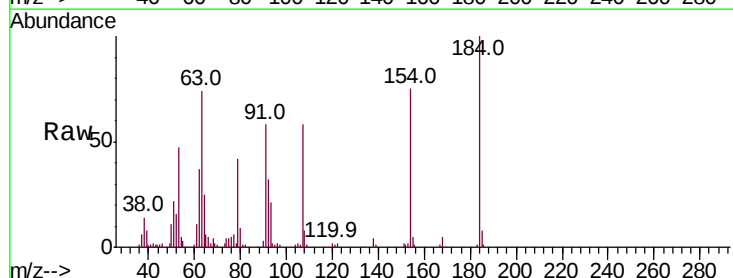
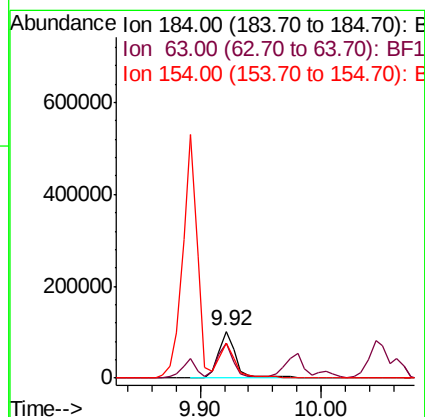
Manual Integrations
APPROVED

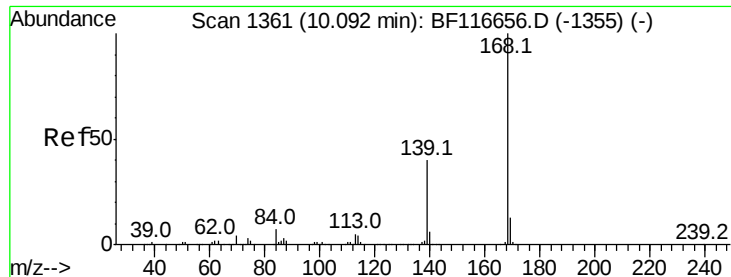
mohammad
9/24/2019 8:33:07 AM



#54
2,4-Dinitrophenol
Concen: 116.199 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.9	49.0	73.4#
154	74.8	58.3	87.5





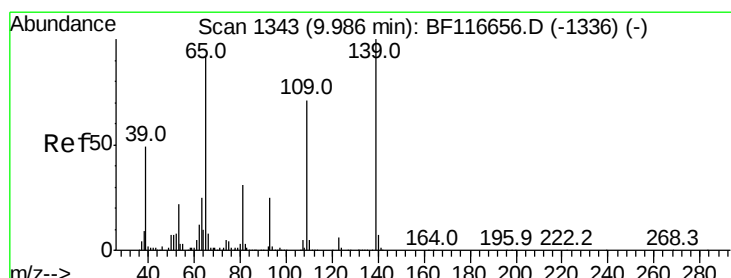
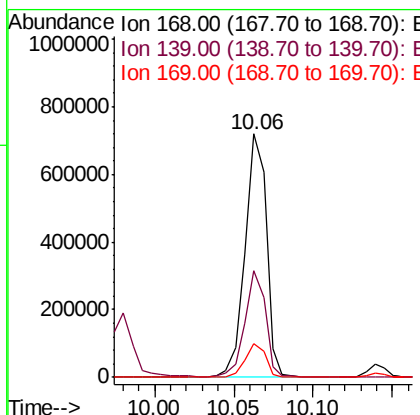
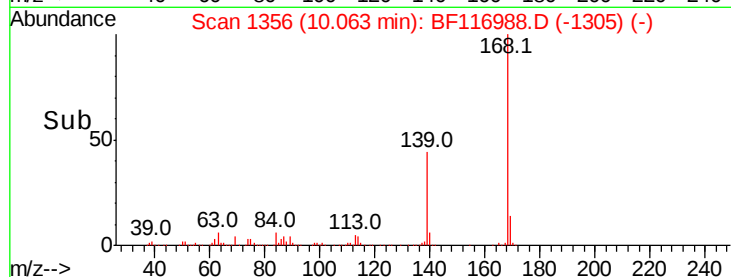
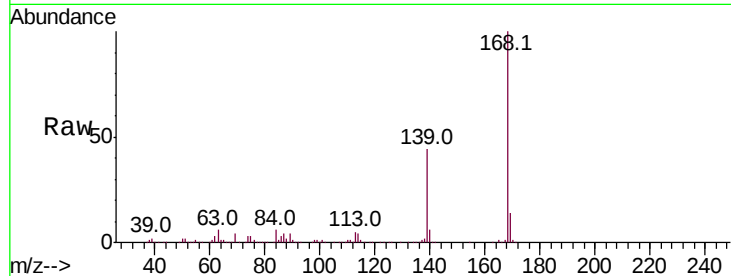
#55
Dibenzofuran
Concen: 48.773 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.7	34.2	51.4
169	13.8	11.0	16.4

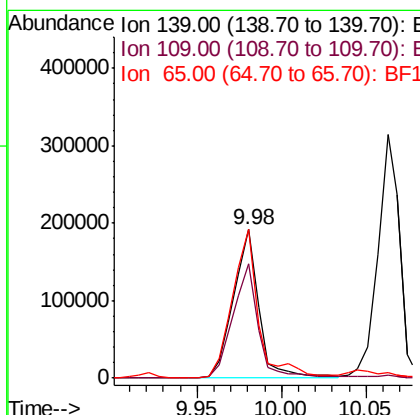
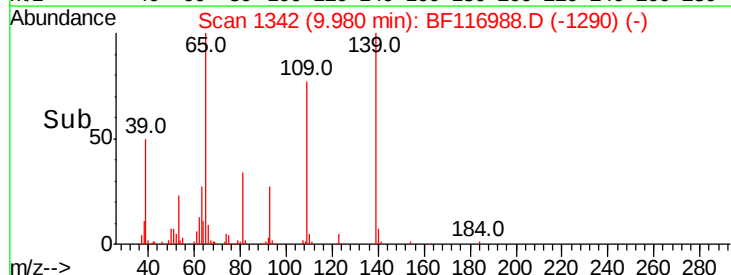
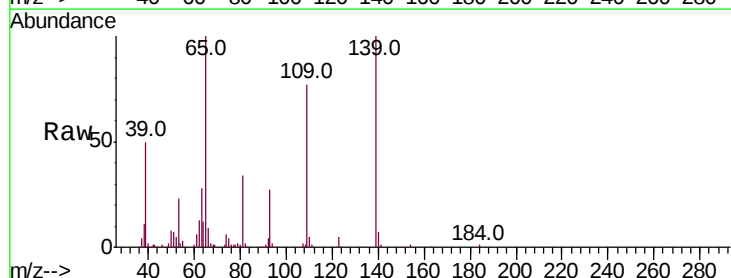
Manual Integrations
APPROVED

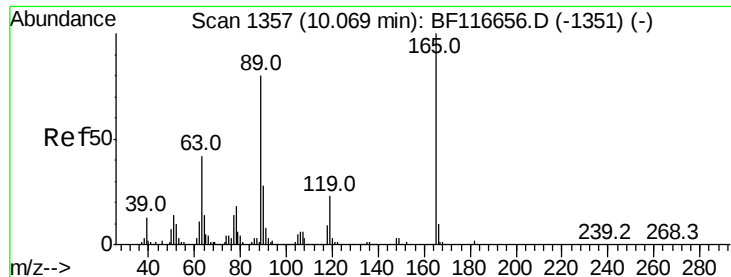
mohammad
9/24/2019 8:33:07 AM



#56
4-Nitrophenol
Concen: 101.466 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.9	54.0	94.0
65	100.0	74.0	114.0





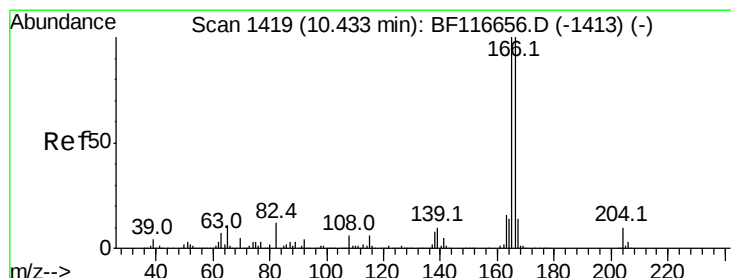
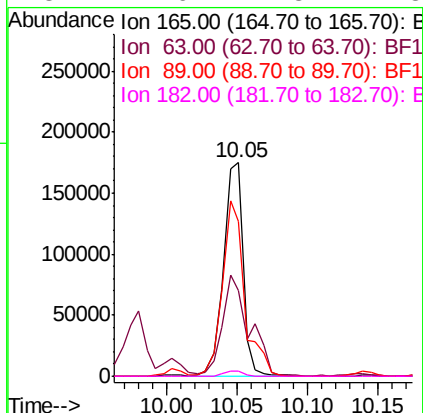
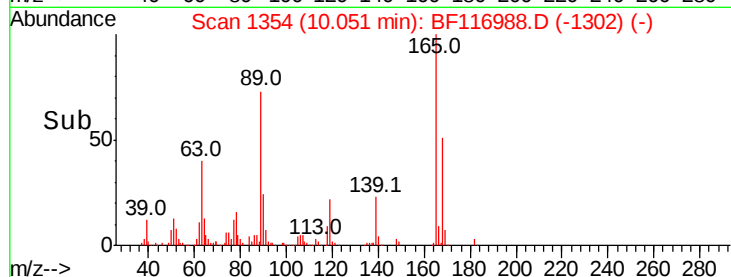
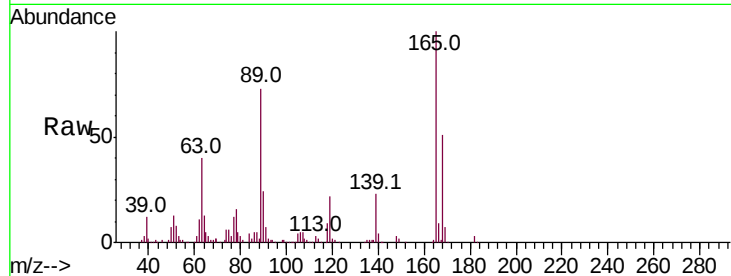
#57
2,4-Dinitrotoluene
Concen: 59.877 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	169749		
63	40.1	36.2	54.2	
89	72.6	66.1	99.1	
182	2.6	1.8	2.8	

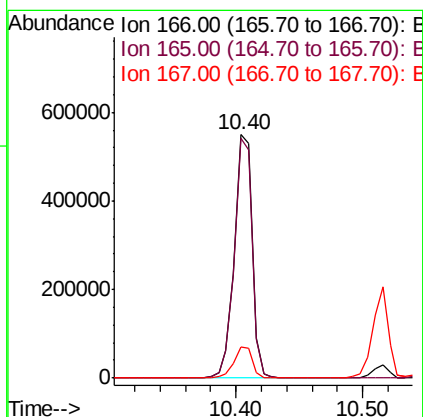
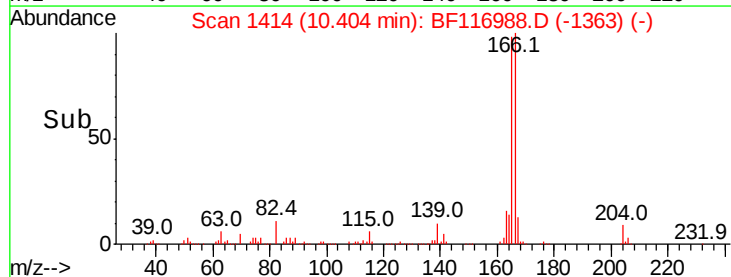
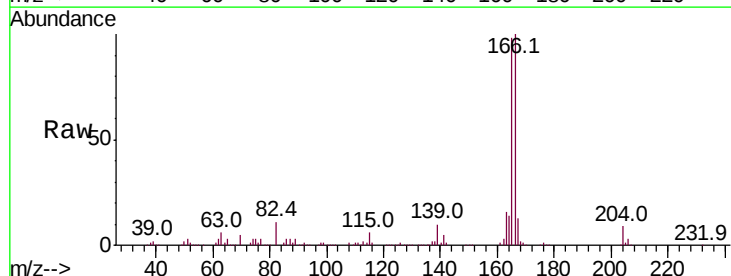
Manual Integrations
APPROVED

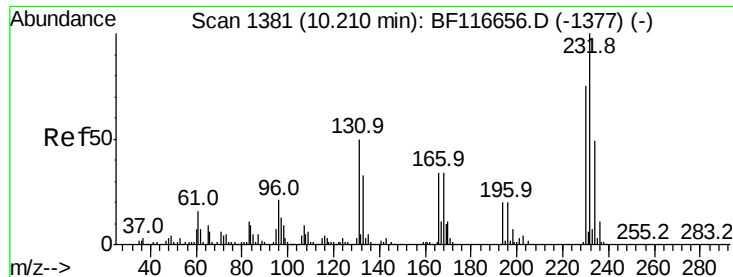
mohammad
9/24/2019 8:33:07 AM



#58
Fluorene
Concen: 50.308 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	530947		
165	98.3	77.0	115.6	
167	12.9	10.7	16.1	





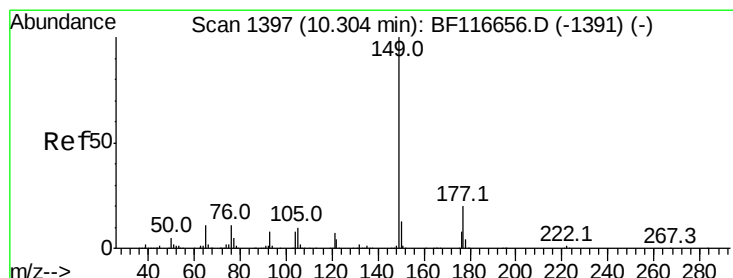
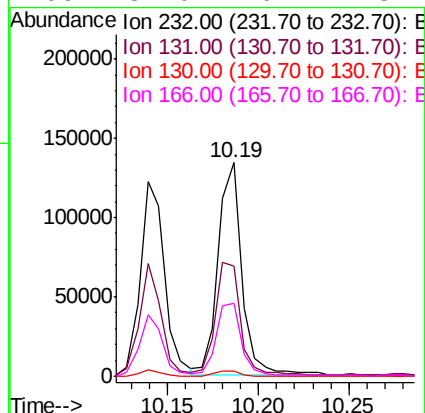
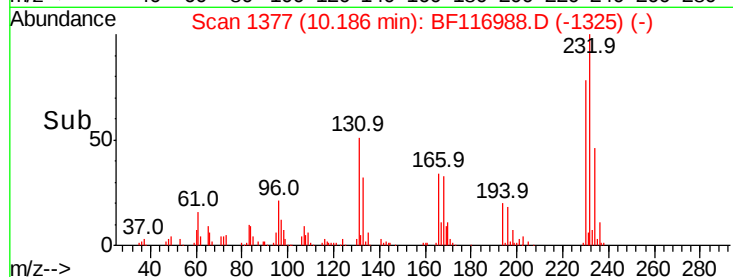
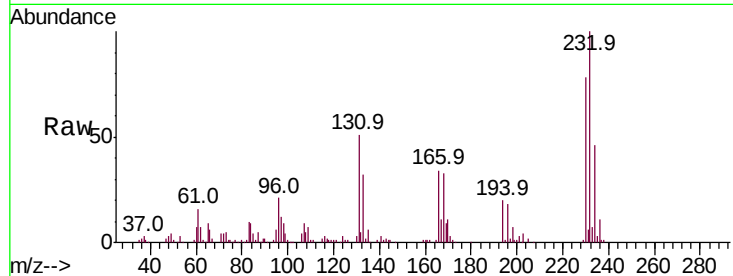
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 56.173 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion	Ratio	Resp Lower	Resp Upper
232	100		
131	57.0	46.1	69.1
130	2.6	2.2	3.4
166	37.0	29.1	43.7

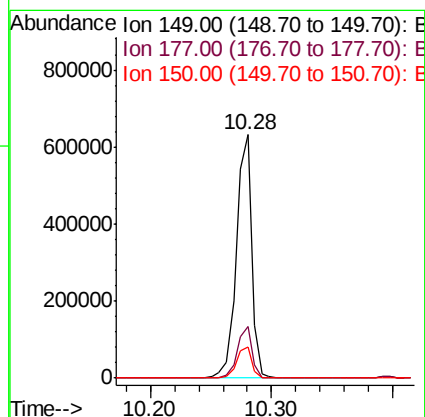
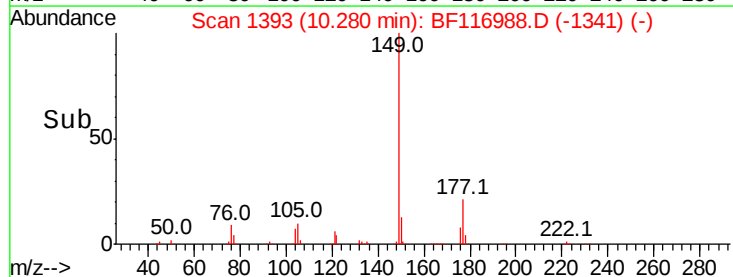
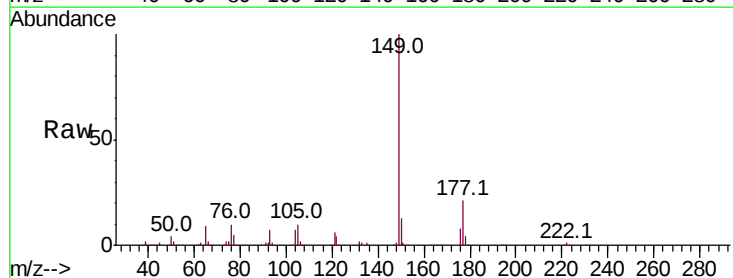
Manual Integrations
 APPROVED

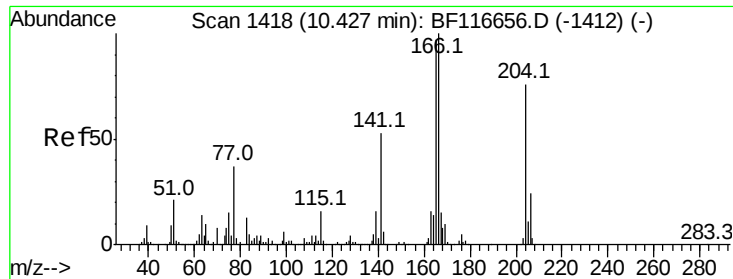
mohammad
 9/24/2019 8:33:07 AM



#60
 Diethylphthalate
 Concen: 46.222 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	21.1	15.9	23.9
150	12.6	10.0	15.0





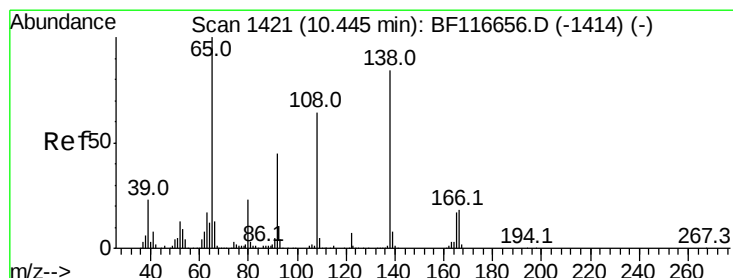
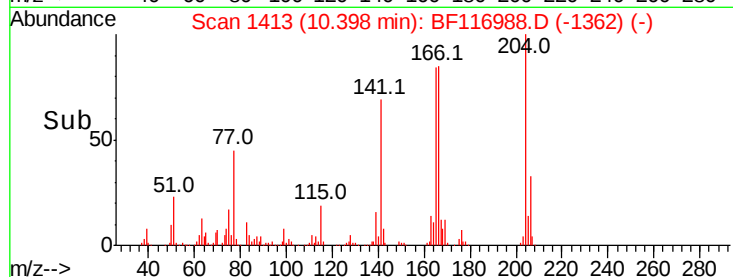
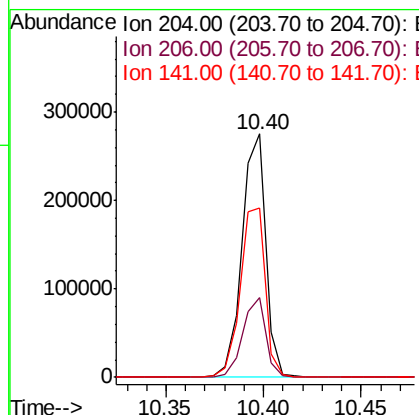
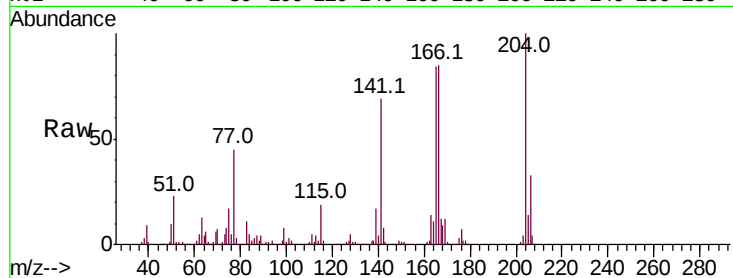
#61
4-Chlorophenyl-phenylether
Concen: 50.276 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	232353		
206	32.6	26.2	39.2	
141	69.4	58.0	87.0	

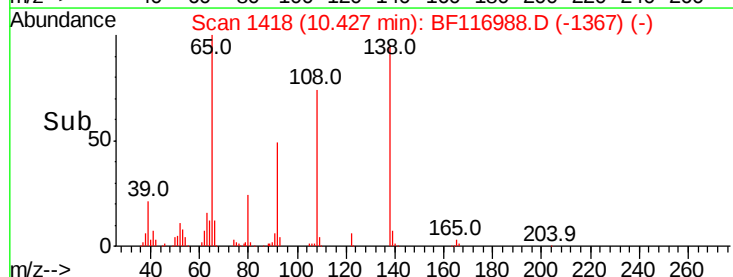
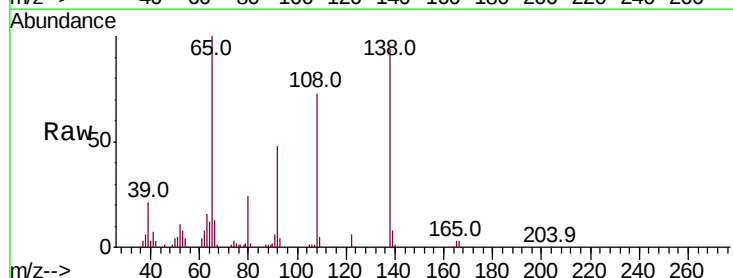
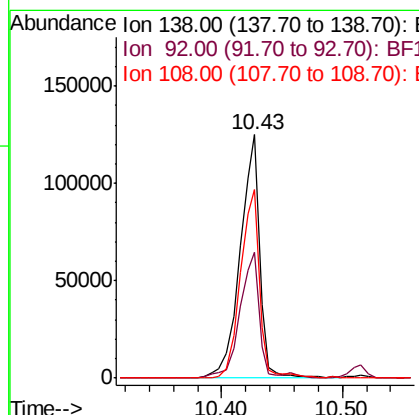
Manual Integrations
APPROVED

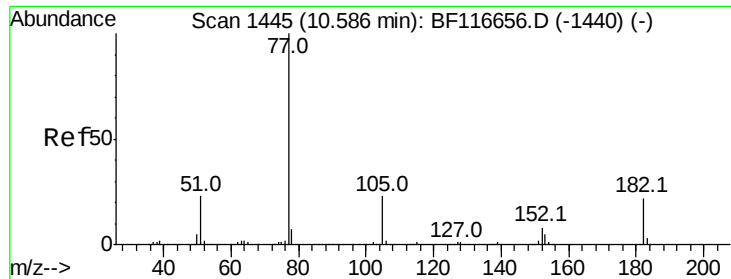
mohammad
9/24/2019 8:33:07 AM



#62
4-Nitroaniline
Concen: 50.435 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	142213		
92	51.5	31.0	71.0	
108	77.6	59.1	99.1	





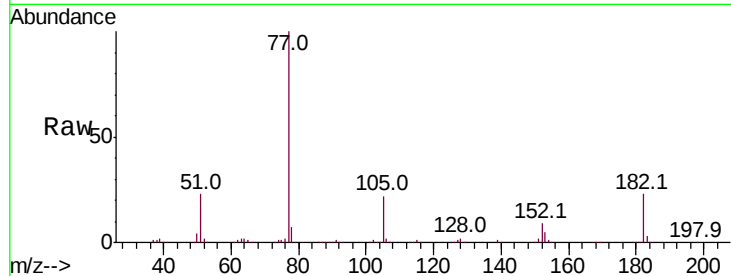
#63
Azobenzene
Concen: 46.483 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

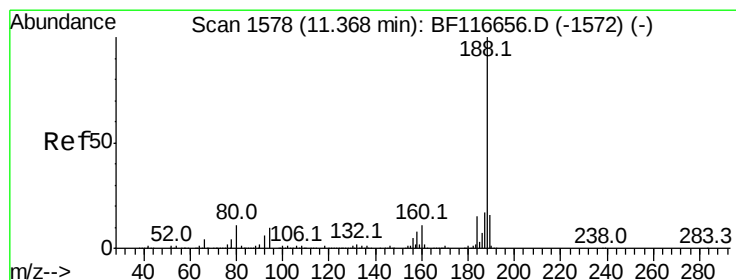
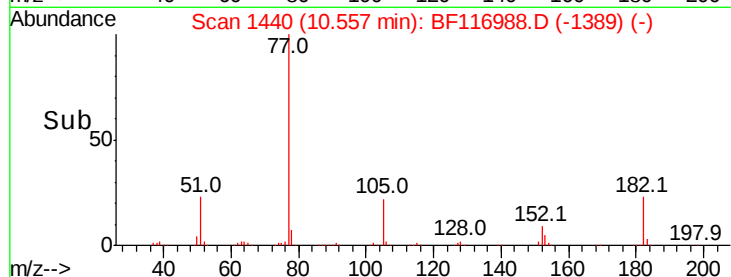
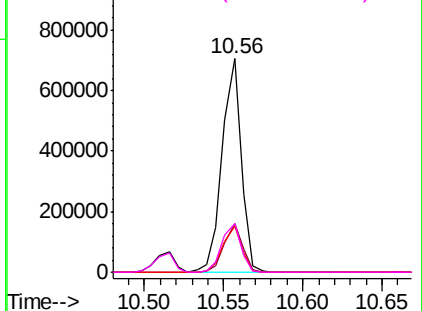
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		589993		
182	22.8	1.9	41.9		
105	21.8	1.5	41.5		
51	23.0	3.6	43.6		

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM

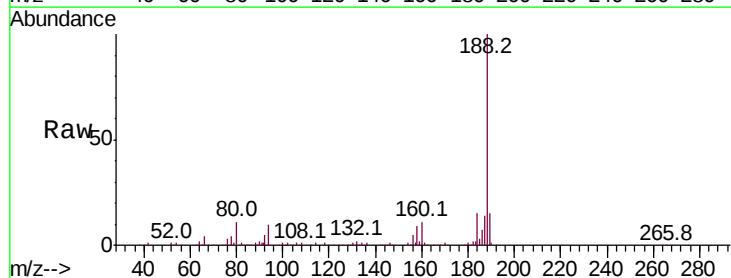


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

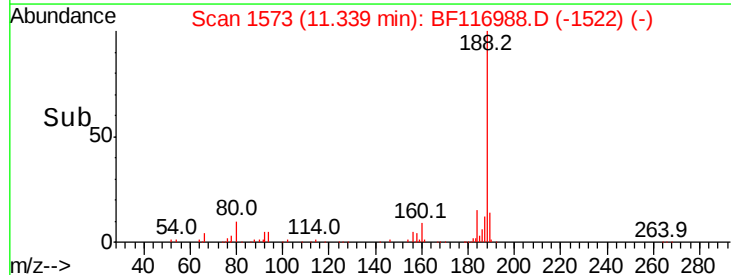
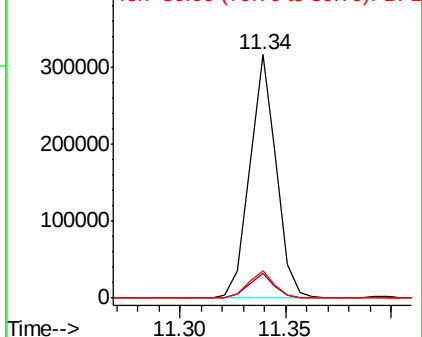


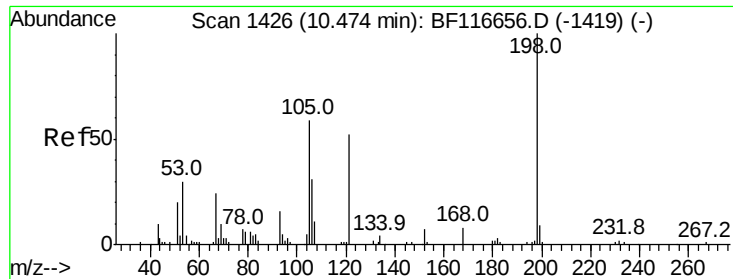
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		276172		
94	10.0	7.4	11.2		
80	11.0	8.5	12.7		



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





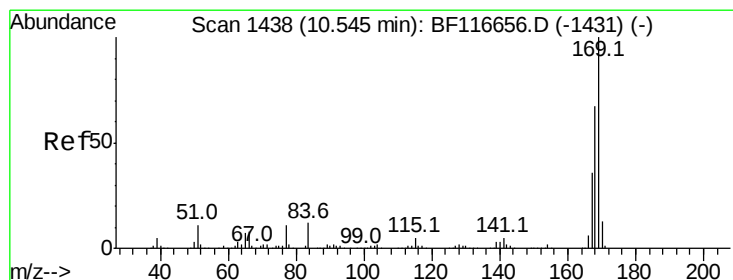
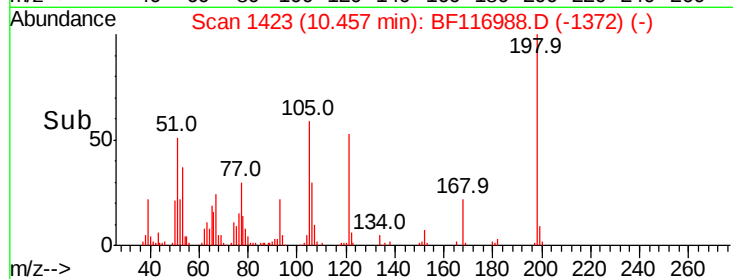
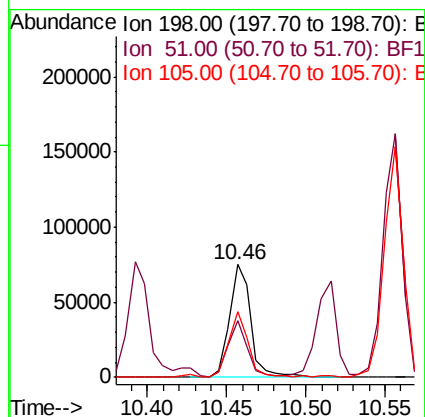
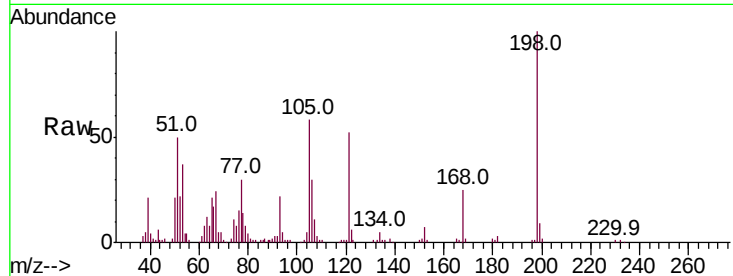
#65
4,6-Dinitro-2-methylphenol
Concen: 65.832 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	70292		
51	50.3	26.3	66.3	
105	58.1	40.0	80.0	

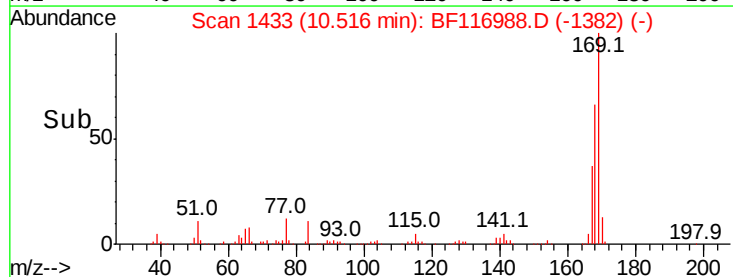
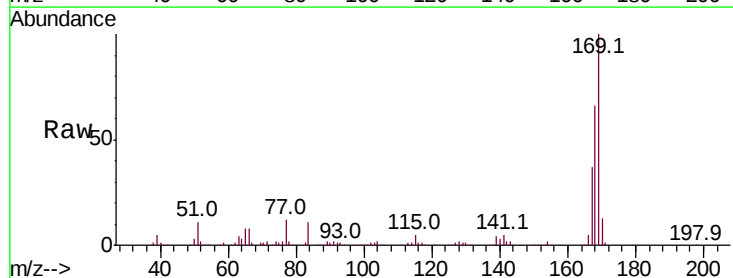
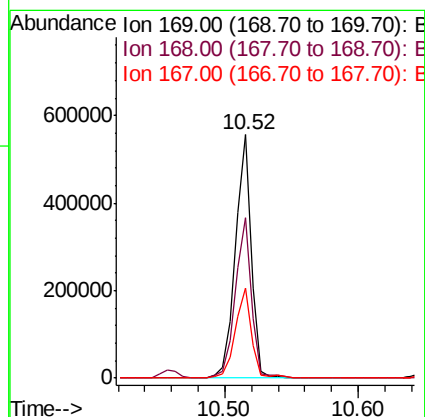
Manual Integrations
APPROVED

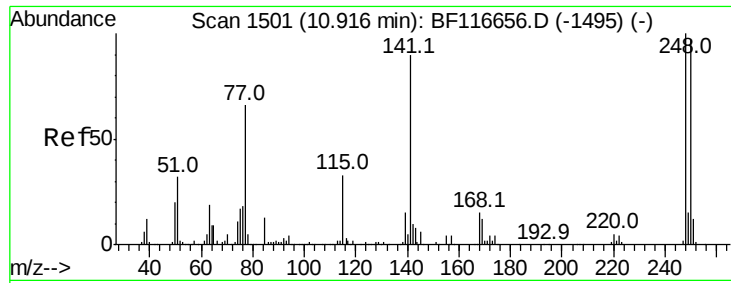
mohammad
9/24/2019 8:33:07 AM



#66
n-Nitrosodiphenylamine
Concen: 49.050 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	468611		
168	65.9	53.5	80.3	
167	37.0	28.7	43.1	





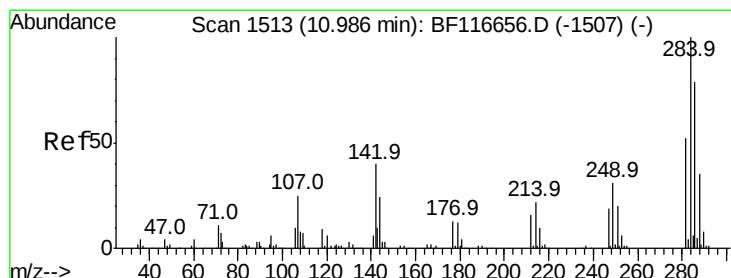
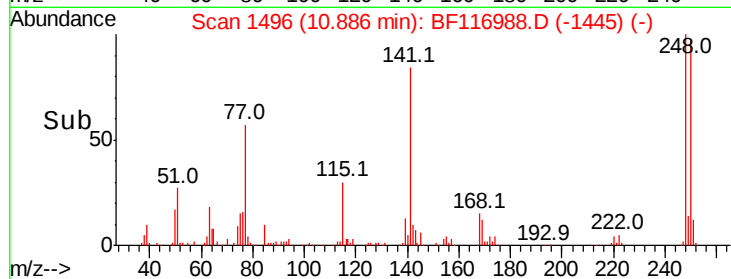
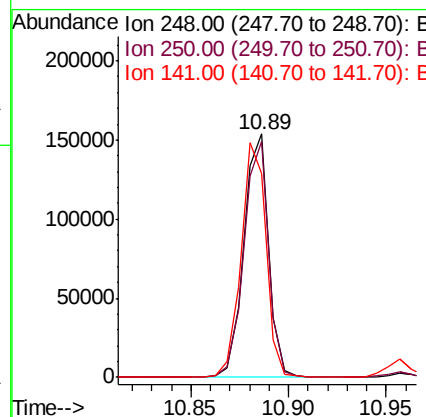
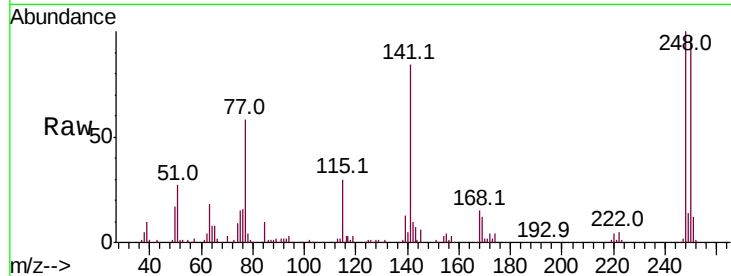
#67
 4-Bromophenyl-phenylether
 Concen: 48.084 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.0	115.4
141	83.8	70.2	105.2

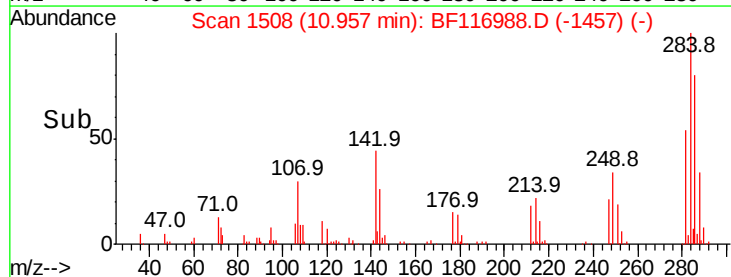
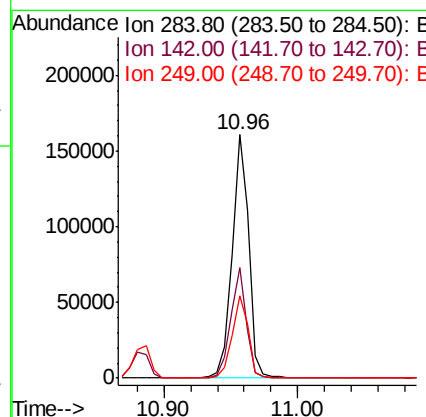
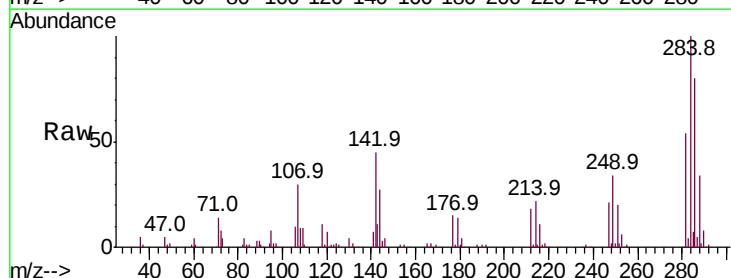
Manual Integrations
 APPROVED

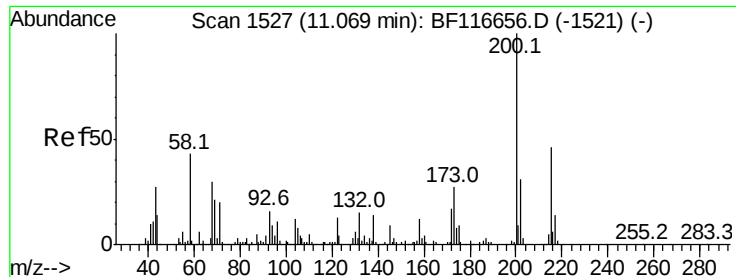
mohammad
 9/24/2019 8:33:07 AM



#68
 Hexachlorobenzene
 Concen: 48.112 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	45.5	37.2	55.8
249	34.0	25.9	38.9





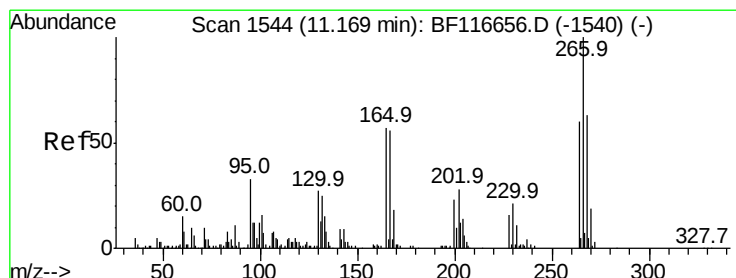
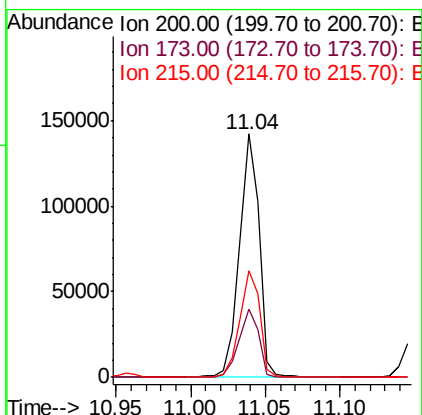
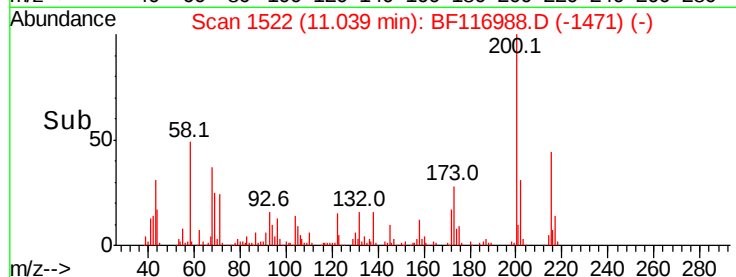
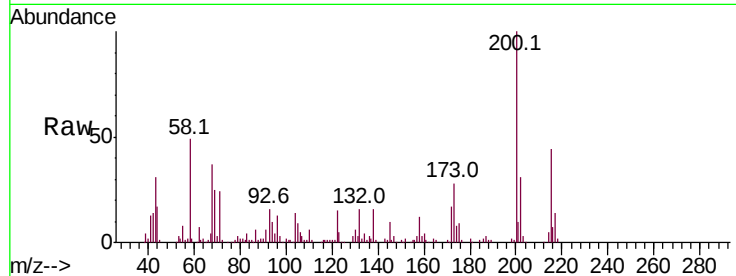
#69
Atrazine
Concen: 48.981 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.1	7.0	47.0
215	43.8	22.9	62.9

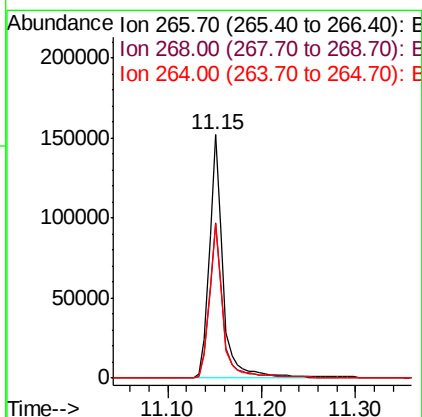
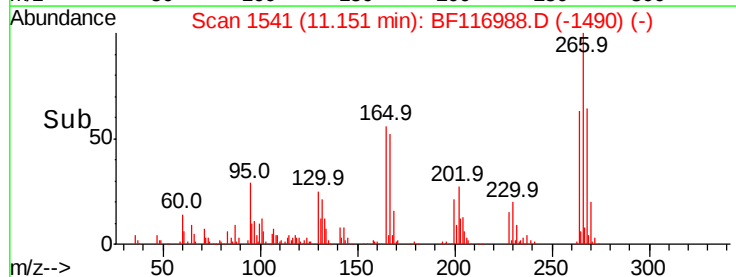
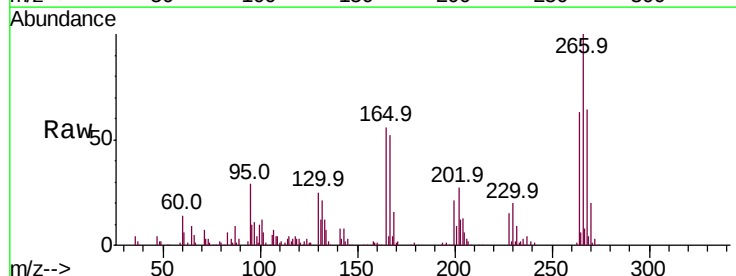
Manual Integrations
APPROVED

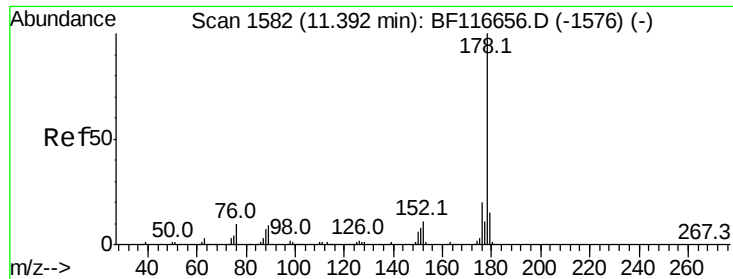
mohammad
9/24/2019 8:33:07 AM



#70
Pentachlorophenol
Concen: 111.647 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.1	51.4	77.2
264	63.4	52.1	78.1





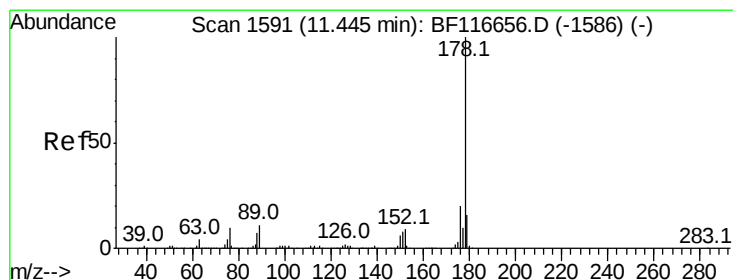
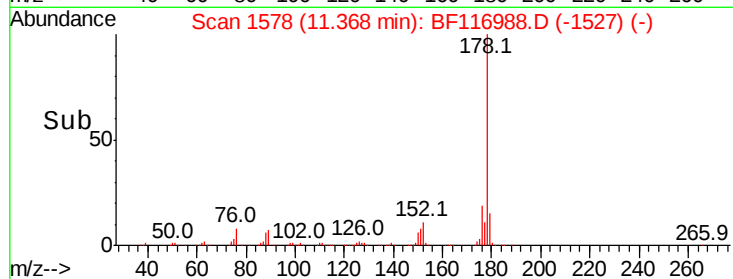
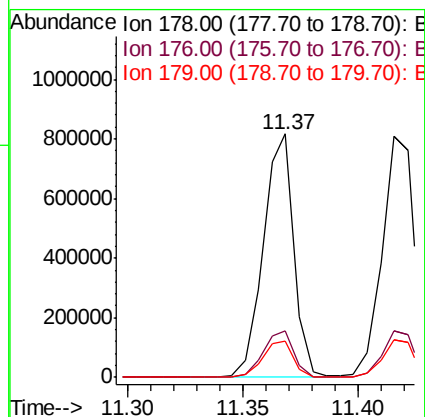
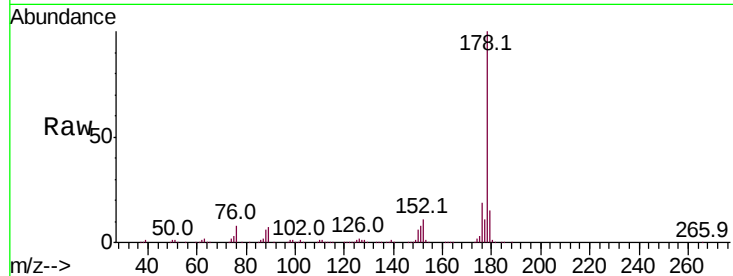
#71
Phenanthrene
Concen: 48.879 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	14.9	12.0	18.0

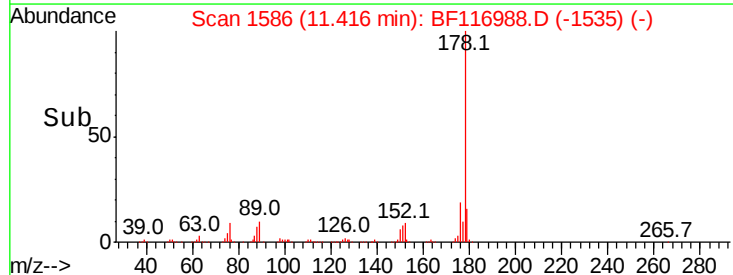
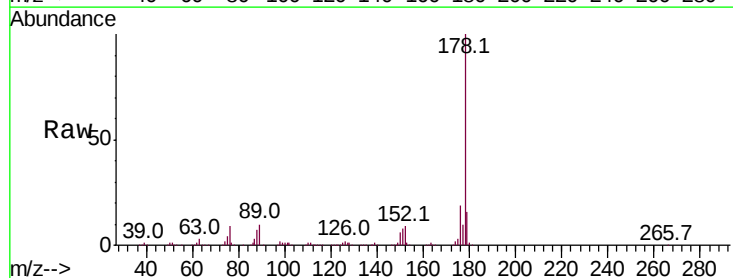
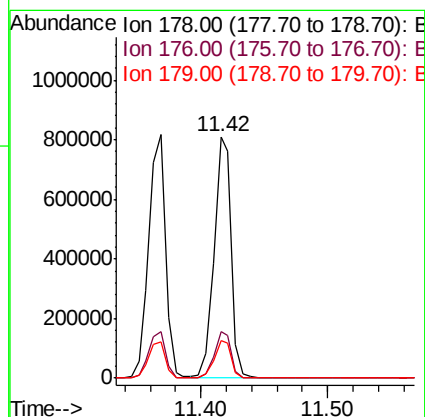
Manual Integrations
APPROVED

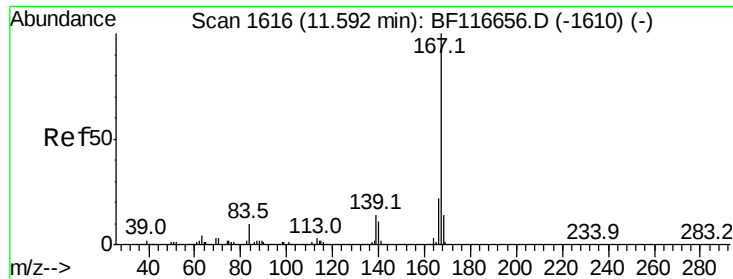
mohammad
9/24/2019 8:33:07 AM



#72
Anthracene
Concen: 50.052 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.6	12.3	18.5





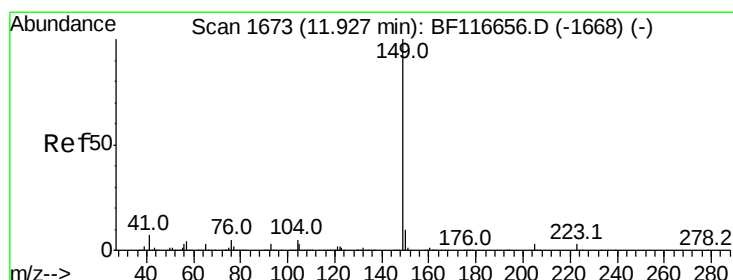
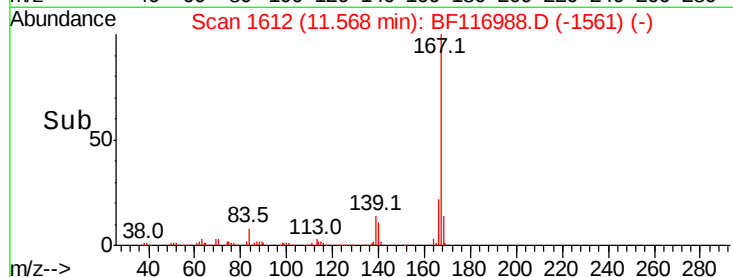
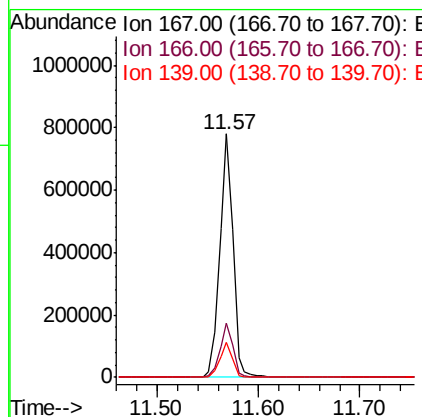
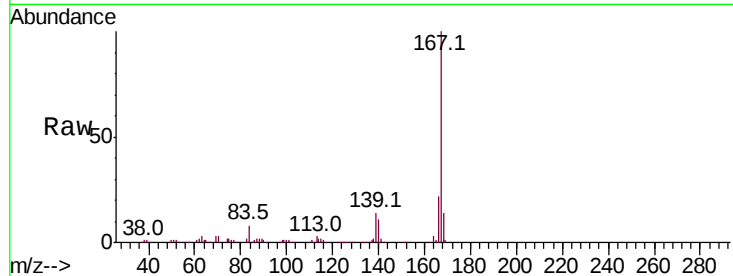
#73
 Carbazole
 Concen: 48.262 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion	Ratio	Resp	Lower	Upper
167	100	711457		
166	22.1		17.7	26.5
139	14.1		11.4	17.2

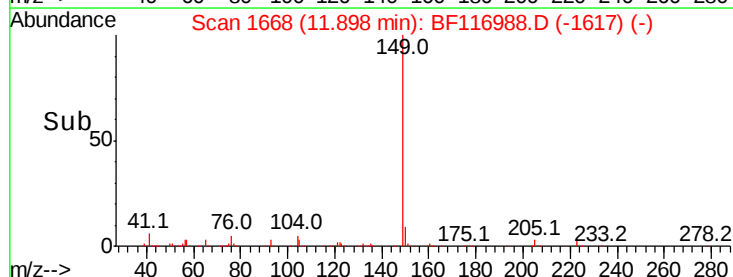
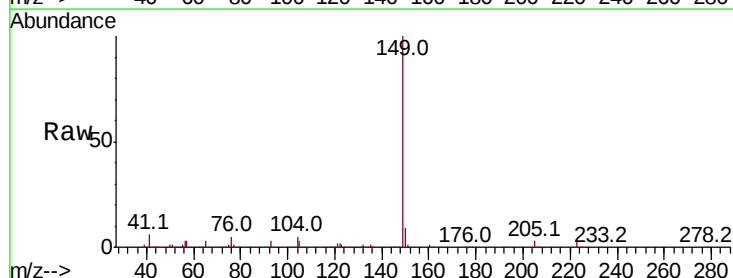
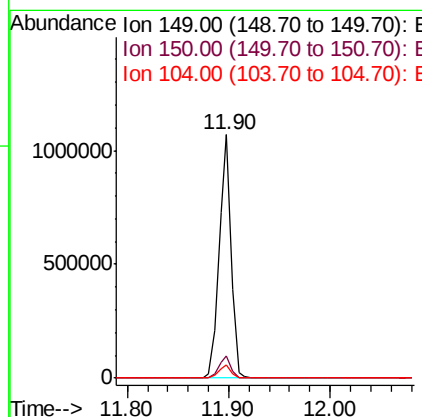
Manual Integrations
 APPROVED

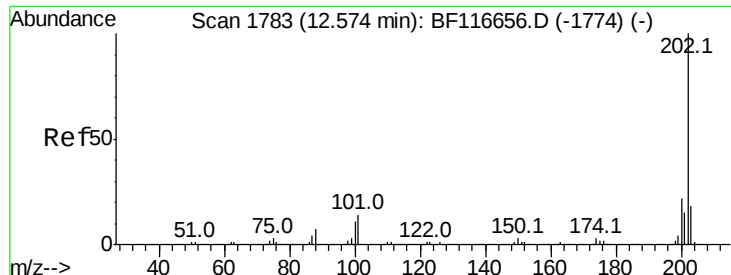
mohammad
 9/24/2019 8:33:07 AM



#74
 Di-n-butylphthalate
 Concen: 46.118 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	871541		
150	9.3		7.4	11.0
104	5.3		4.3	6.5





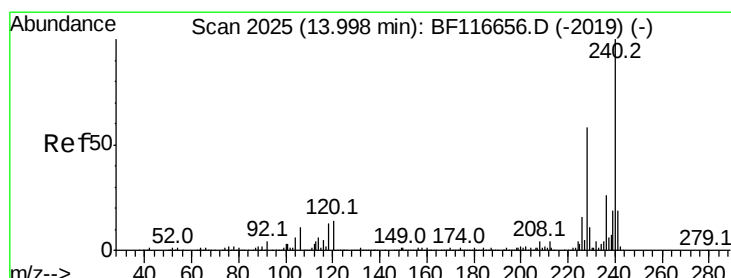
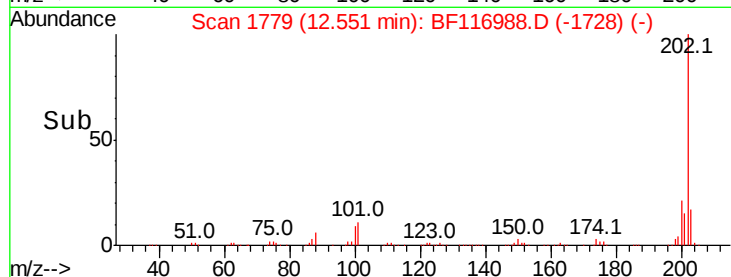
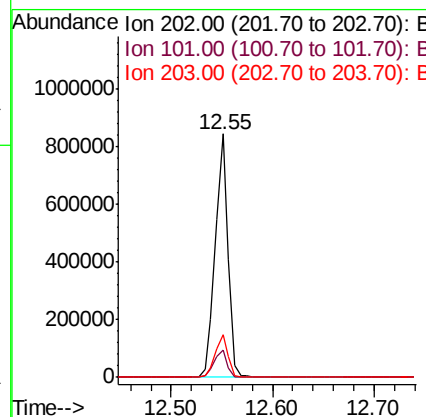
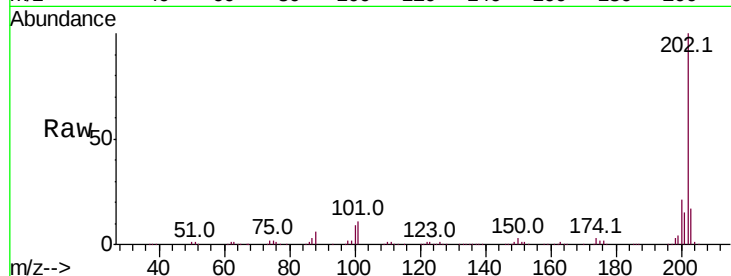
#75
 Fluoranthene
 Concen: 48.930 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleID :
 PB122916BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	32.0
203	17.3	0.0	37.5

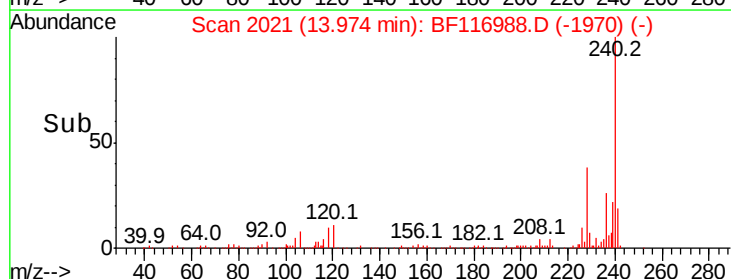
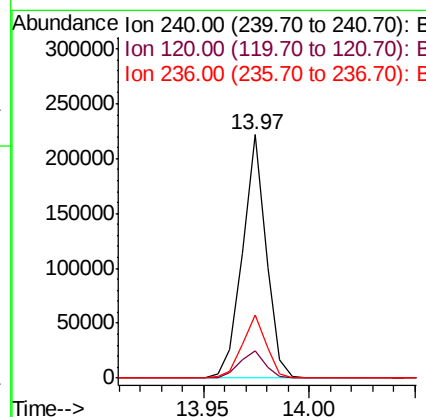
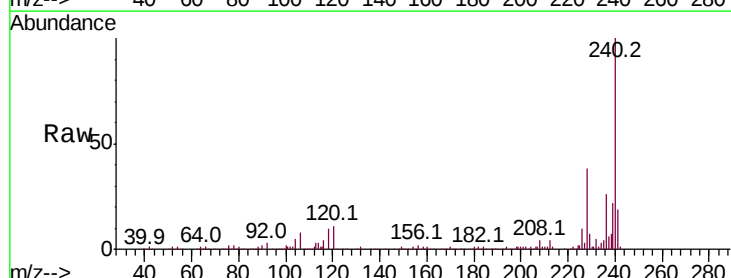
Manual Integrations
 APPROVED

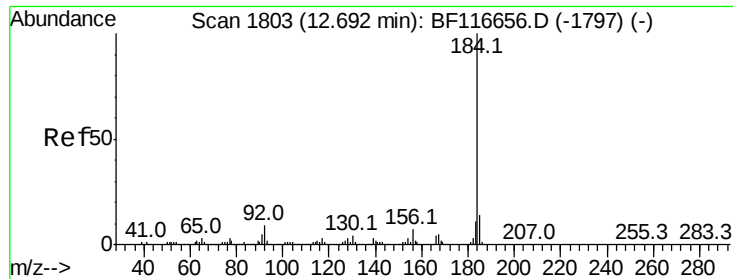
mohammad
 9/24/2019 8:33:07 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.1	13.7
236	25.9	20.9	31.3





#77

Benzidine

Concen: 49.283 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

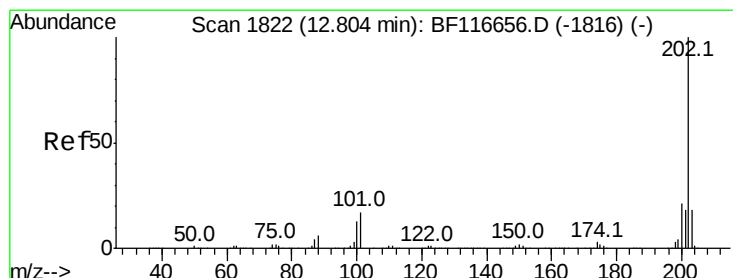
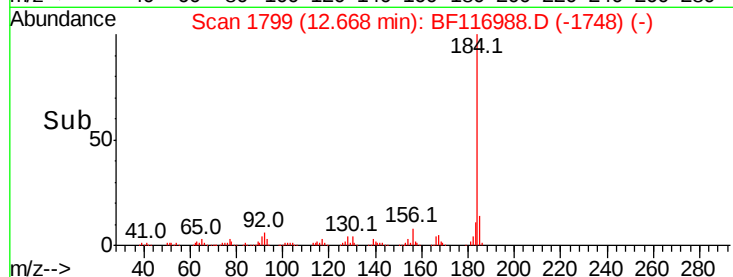
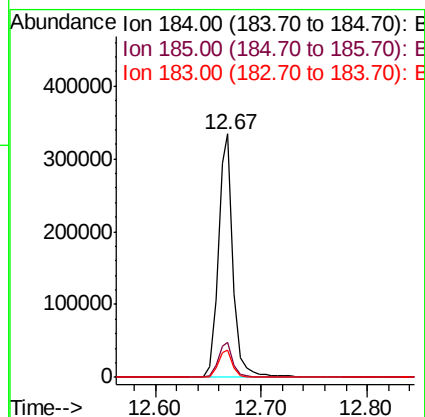
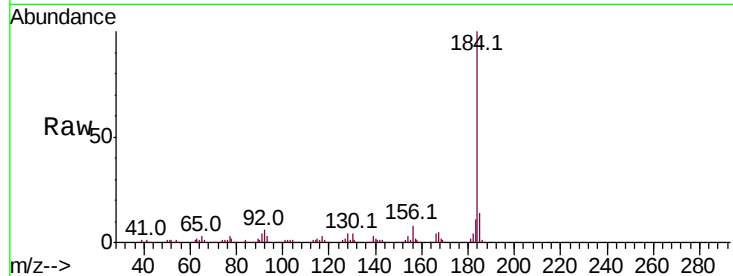
ClientSampleId :

PB122916BS

Tot Ion:	184	Resp:	330973
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.0	18.0
183	11.2	9.2	13.8

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#78

Pyrene

Concen: 48.953 ng

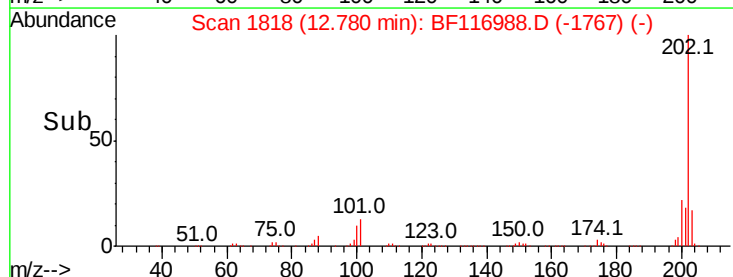
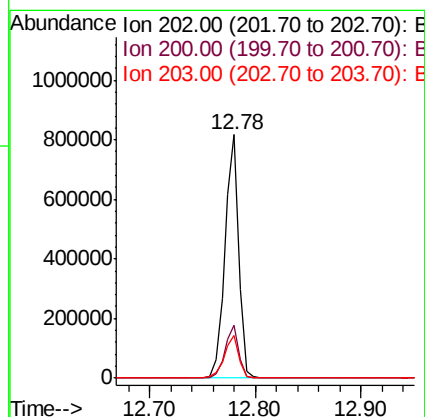
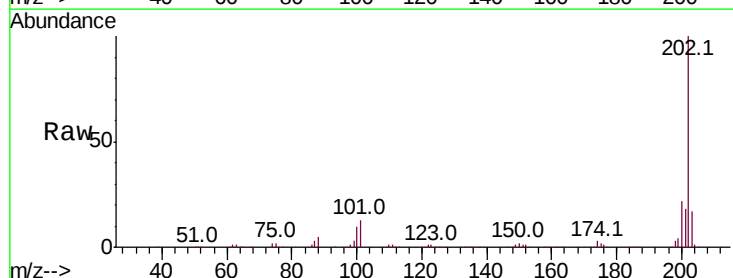
RT: 12.78 min Scan# 1818

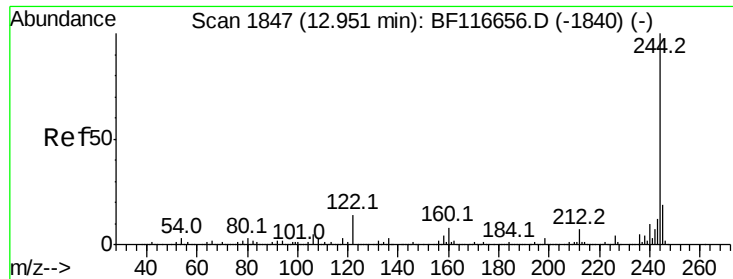
Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	202	Resp:	745105
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.2	25.8
203	17.4	14.2	21.2





#79

Terphenyl-d14

Concen: 85.293 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

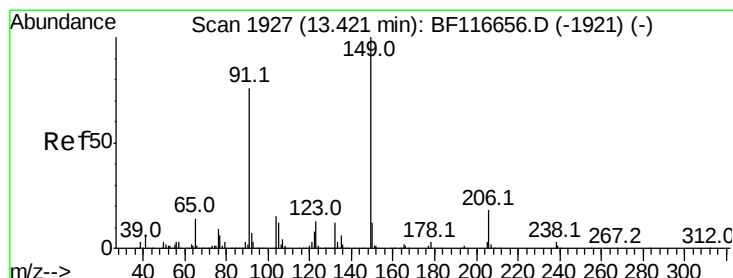
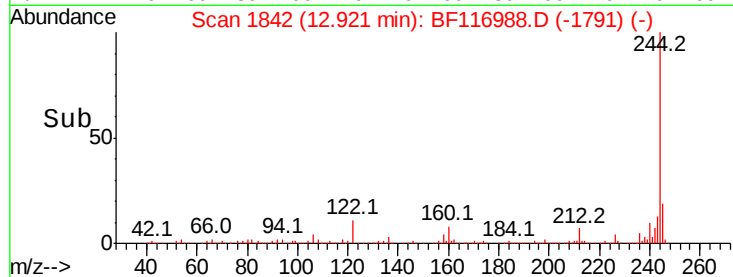
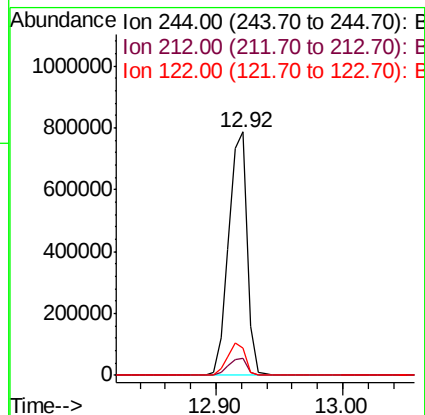
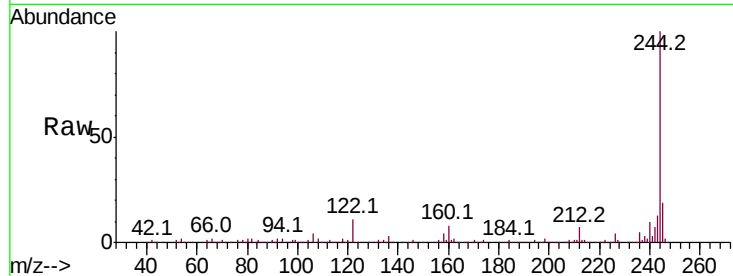
ClientSampleId :

PB122916BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.0	11.5	17.3

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#80

Butylbenzylphthalate

Concen: 45.614 ng

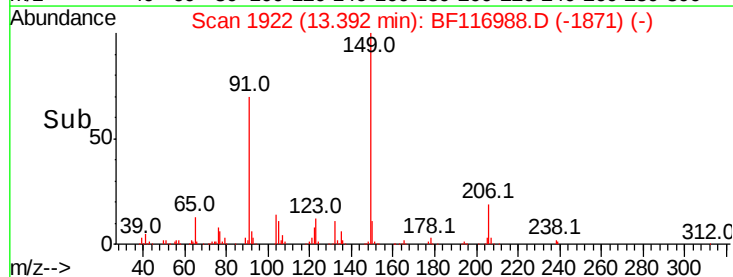
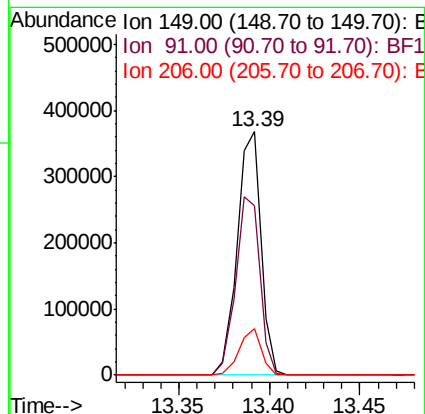
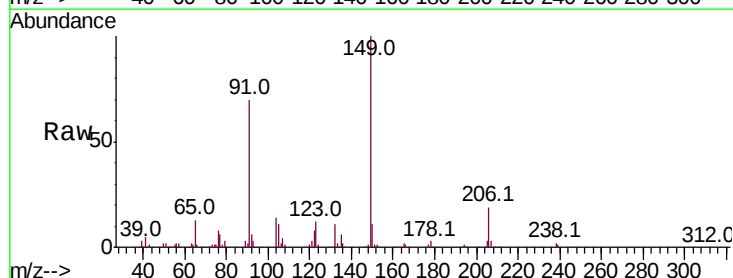
RT: 13.39 min Scan# 1922

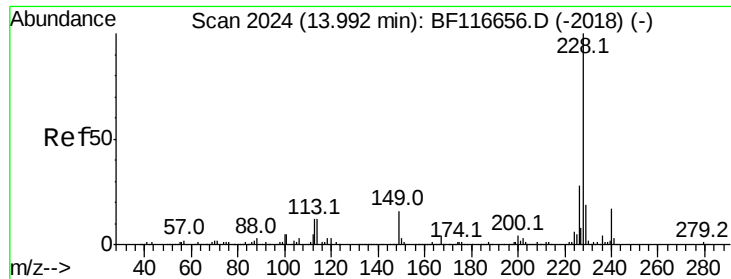
Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.8	55.8	83.8
206	19.3	15.0	22.6





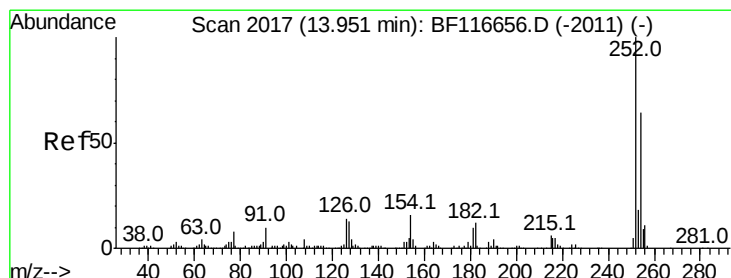
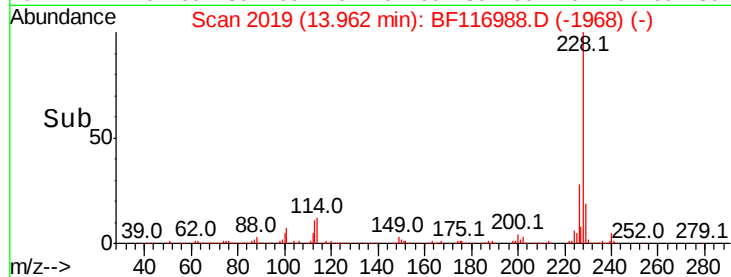
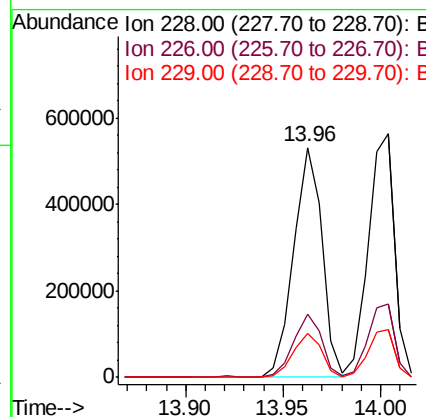
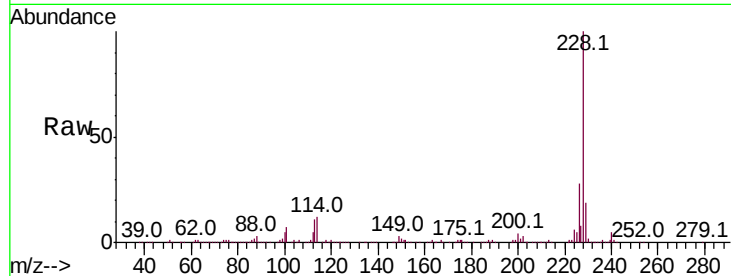
#81
Benzo(a)anthracene
Concen: 49.495 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	19.1	15.8	23.8

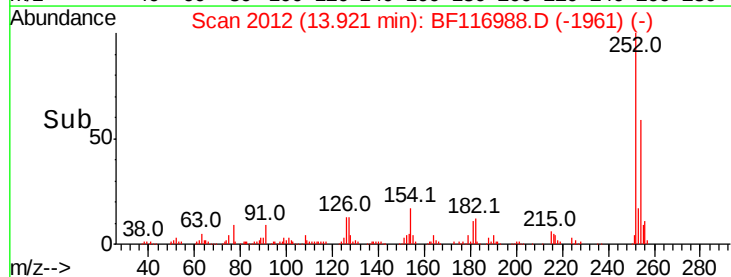
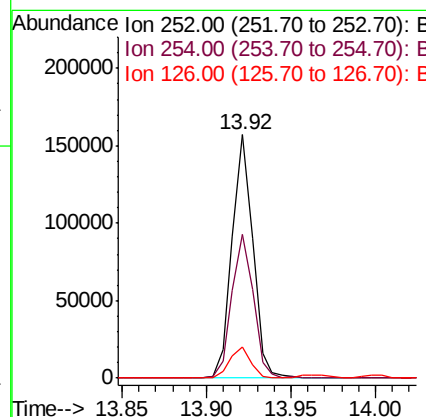
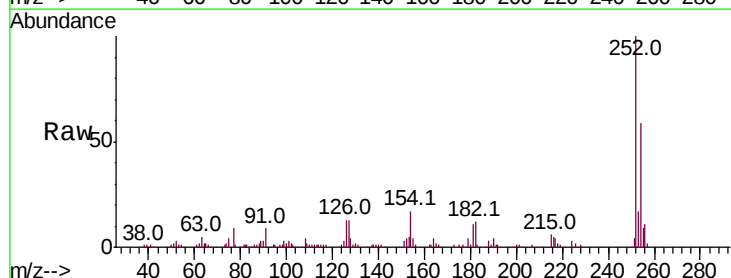
Manual Integrations
APPROVED

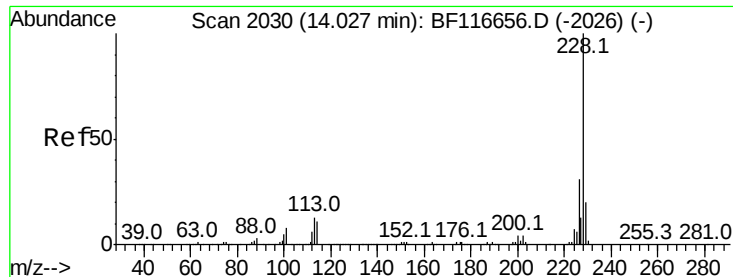
mohammad
9/24/2019 8:33:07 AM



#82
3,3'-Dichlorobenzidine
Concen: 36.831 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.0	51.8	77.8
126	12.7	10.9	16.3





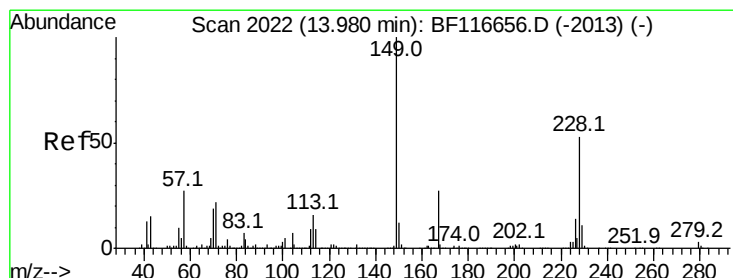
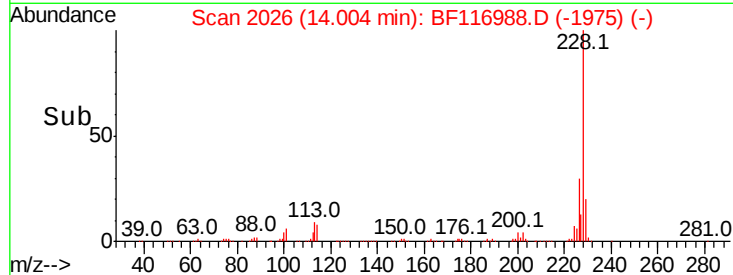
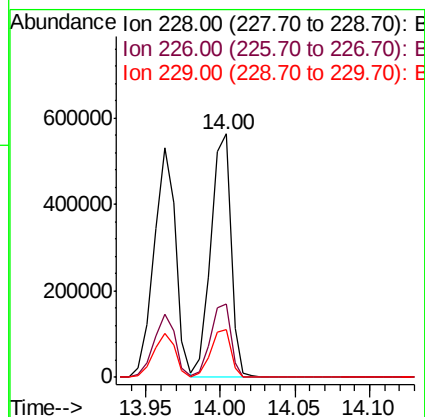
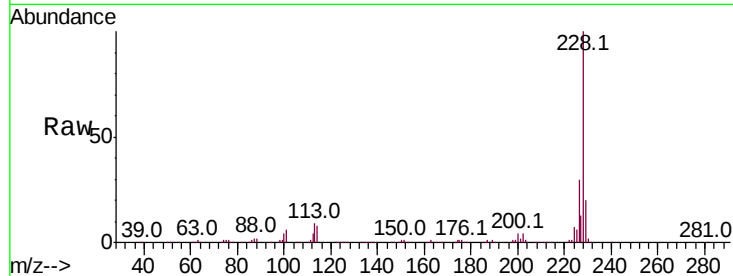
#83
 Chrysene
 Concen: 47.078 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :
 PB122916BS

Tot Ion:	228	Resp:	525601
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.5	36.7
229	19.6	15.7	23.5

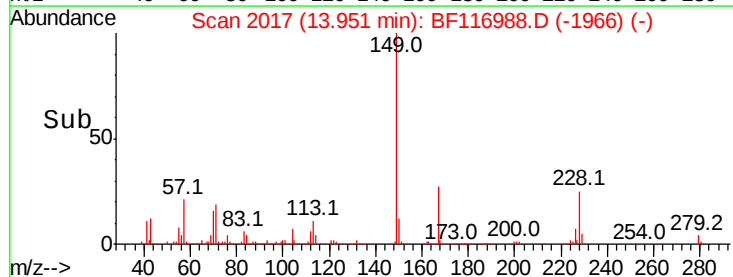
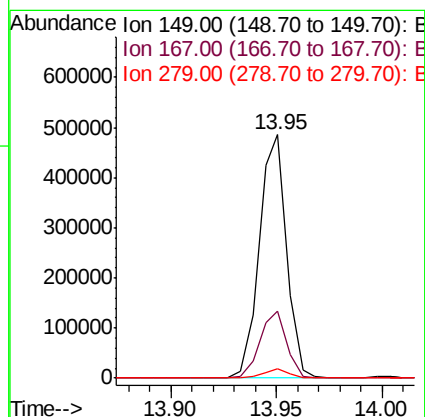
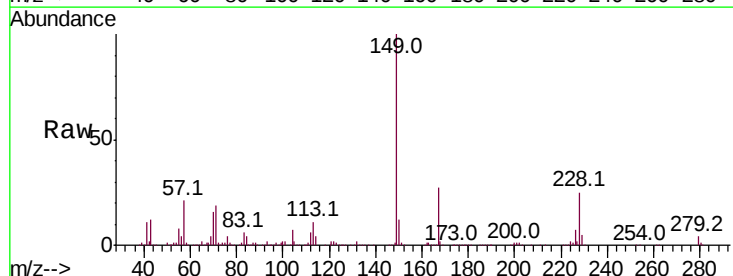
Manual Integrations
 APPROVED

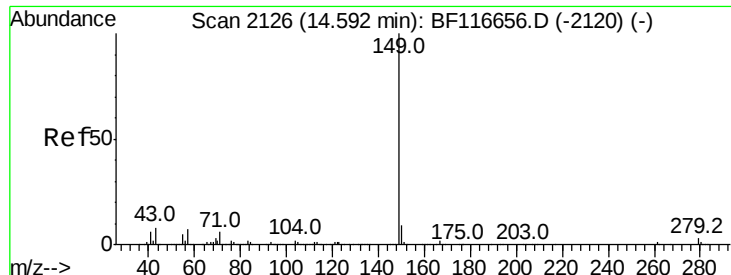
mohammad
 9/24/2019 8:33:07 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.709 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF116988.D
 Acq: 12 Sep 2019 12:58

Tgt Ion:	149	Resp:	435911
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.3	31.9
279	3.7	2.6	3.8





#85

Di-n-octyl phthalate

Concen: 45.687 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Instrument :

BNA_F

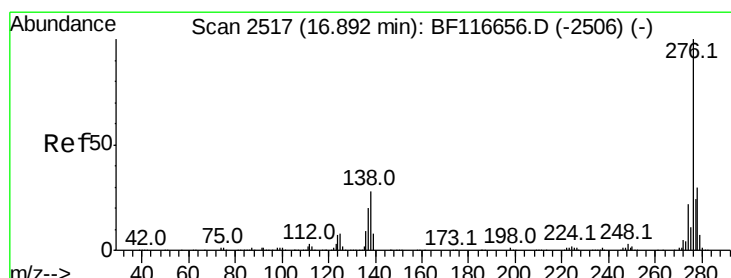
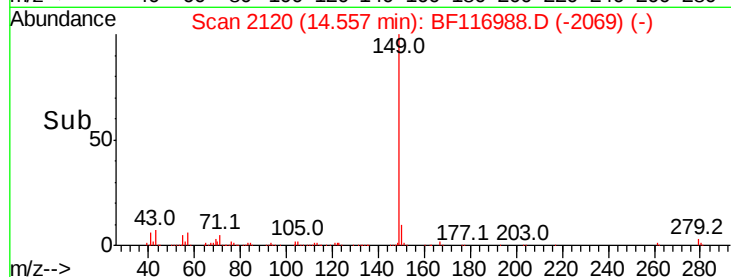
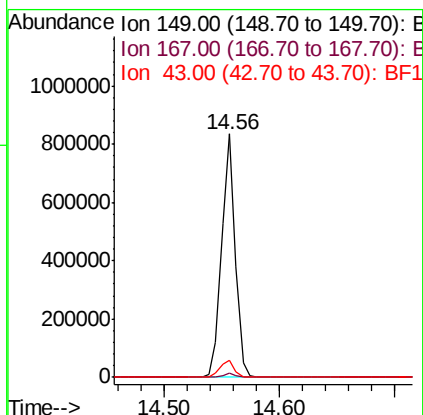
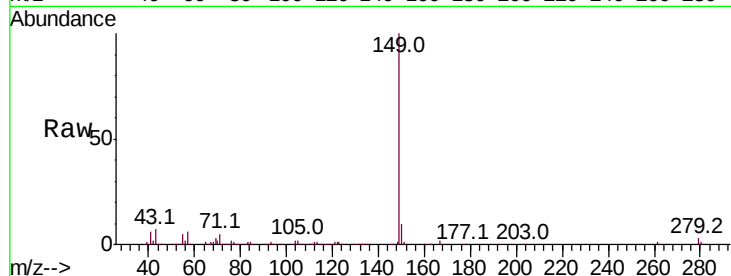
ClientSampleId :

PB122916BS

Tot Ion:	149	Resp:	683121
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.2	1.8
43	7.4	6.2	9.4

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.086 ng

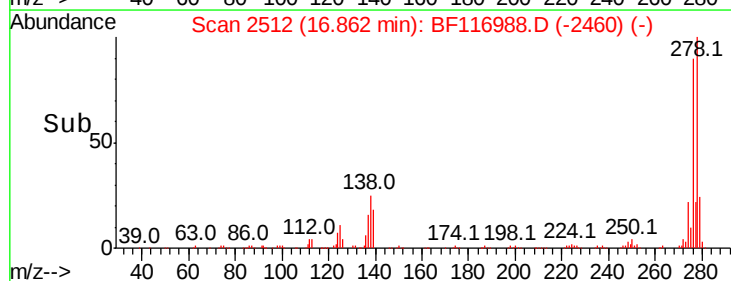
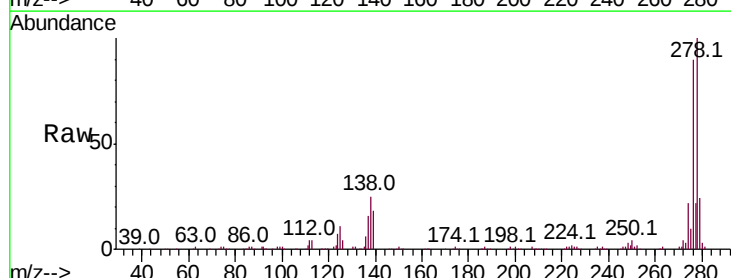
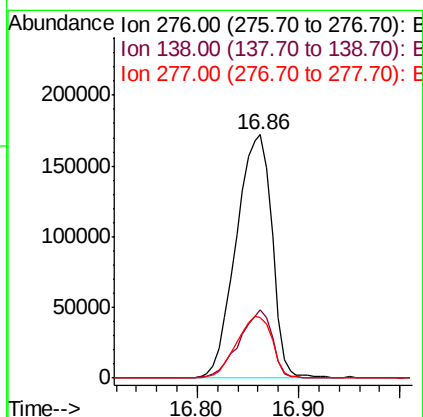
RT: 16.86 min Scan# 2512

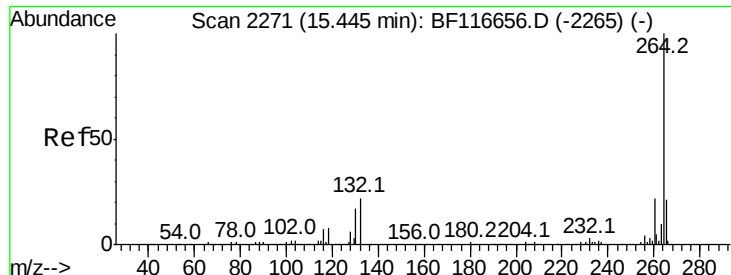
Delta R.T. 0.01 min

Lab File: BF116988.D

Acq: 12 Sep 2019 12:58

Tgt Ion:	276	Resp:	422248
Ion Ratio	Lower	Upper	
276	100		
138	25.8	20.6	31.0
277	25.4	19.9	29.9





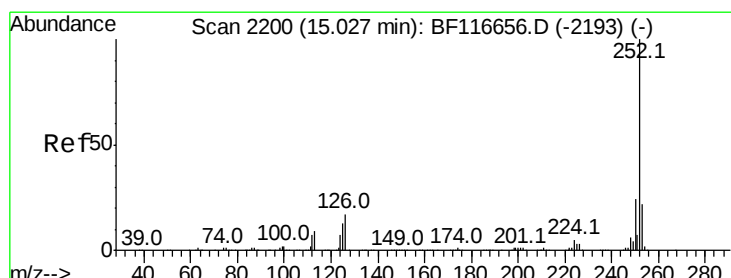
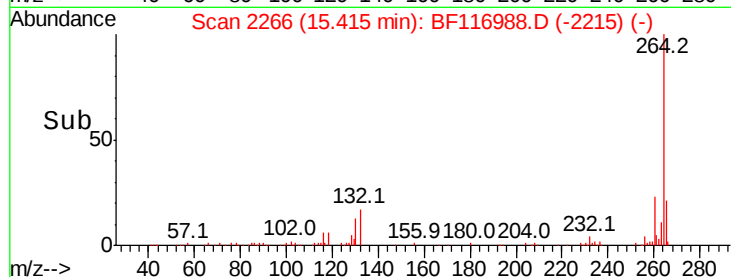
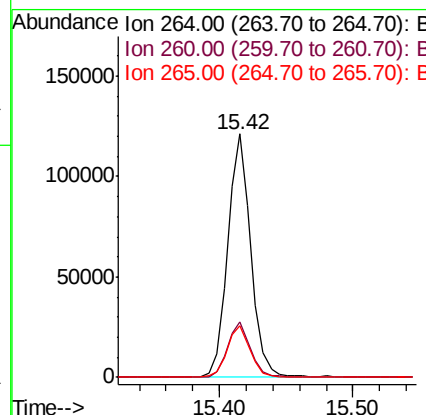
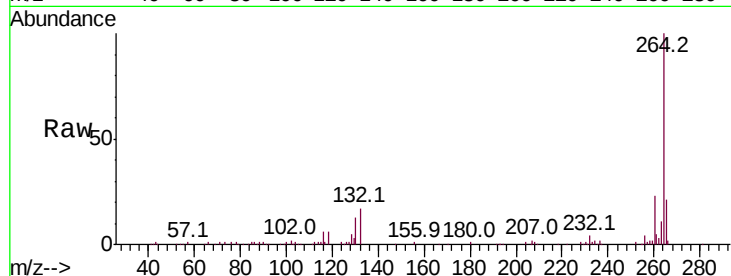
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	21.2	17.9	26.9

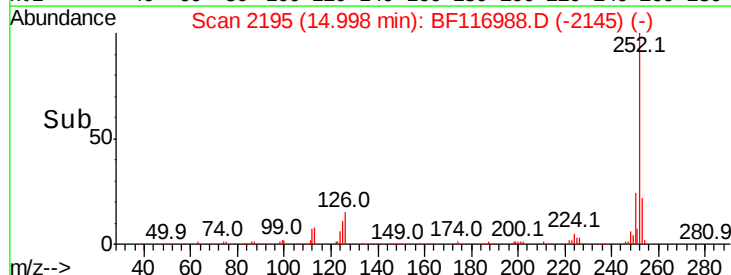
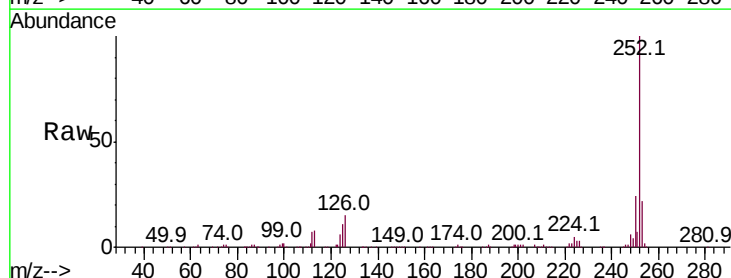
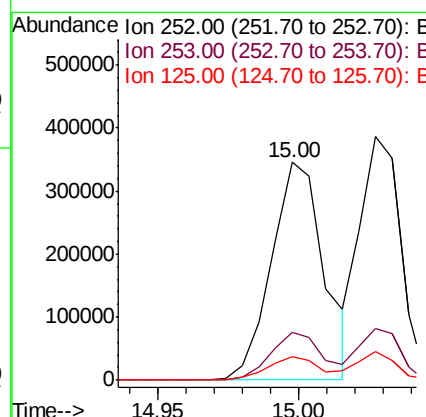
Manual Integrations
APPROVED

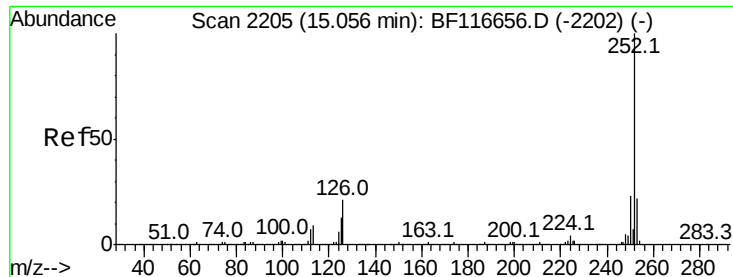
mohammad
9/24/2019 8:33:07 AM



#88
Benzo(b)fluoranthene
Concen: 50.335 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.3	12.5





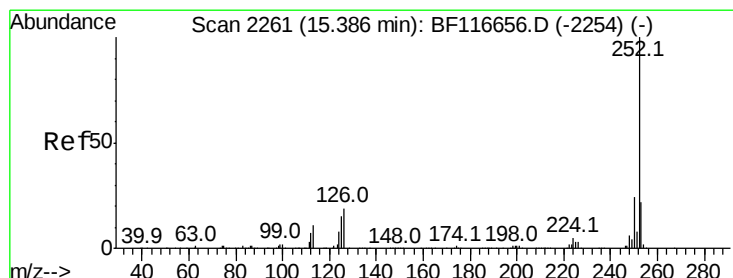
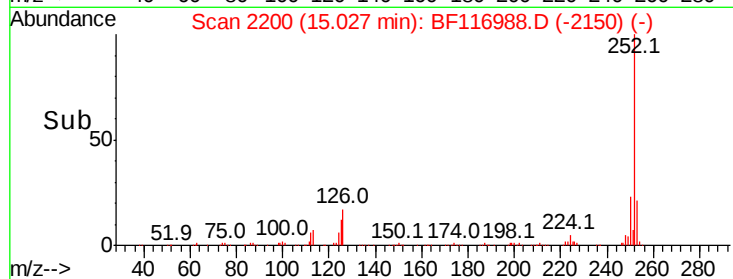
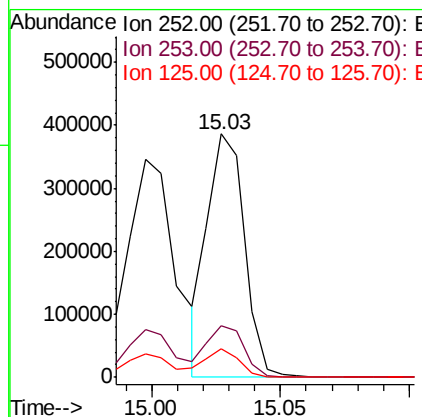
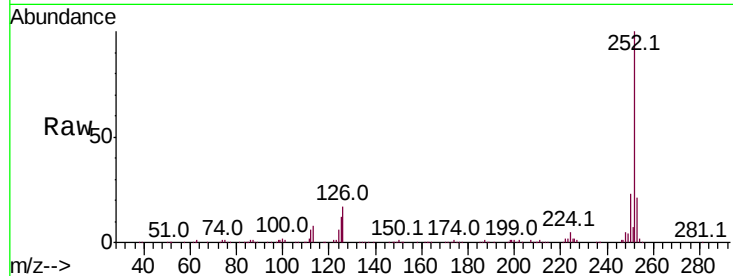
#89
Benzo(k)fluoranthene
Concen: 47.909 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	11.6	7.6	11.4

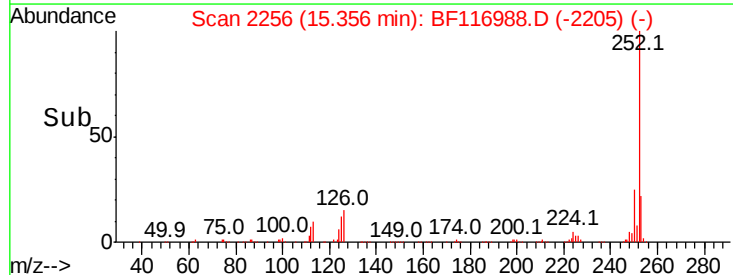
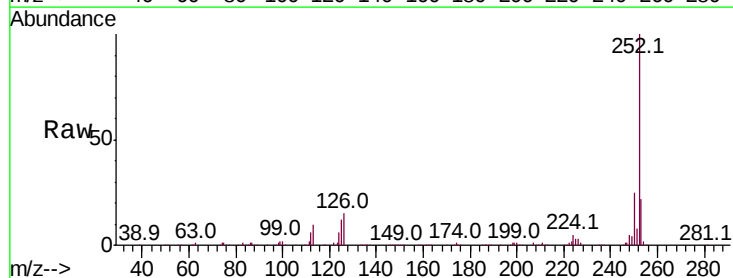
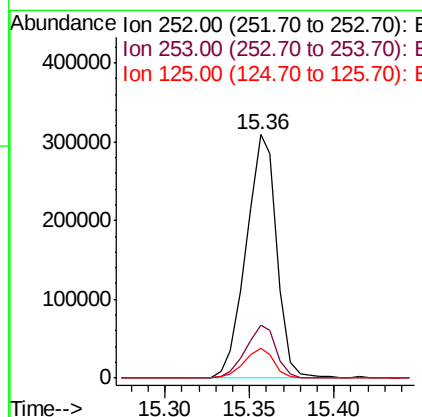
Manual Integrations
APPROVED

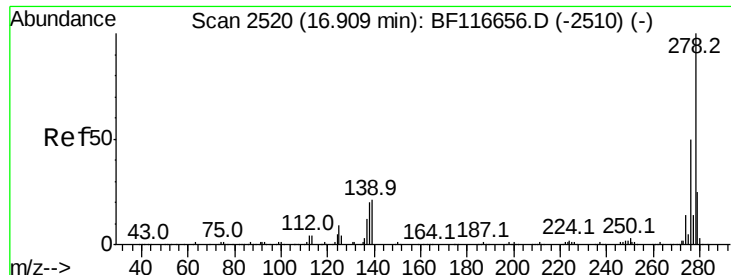
mohammad
9/24/2019 8:33:07 AM



#90
Benzo(a)pyrene
Concen: 50.419 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.0	10.2	15.2





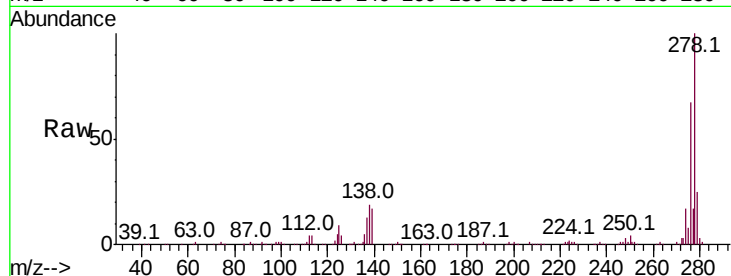
#91
Dibenzo(a,h)anthracene
Concen: 52.513 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Instrument :
BNA_F
ClientSampleId :
PB122916BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.1	19.7
279	24.6	18.6	27.8

Manual Integrations
APPROVED

mohammad
9/24/2019 8:33:07 AM

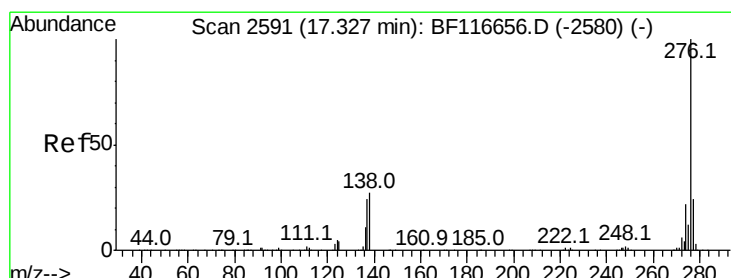
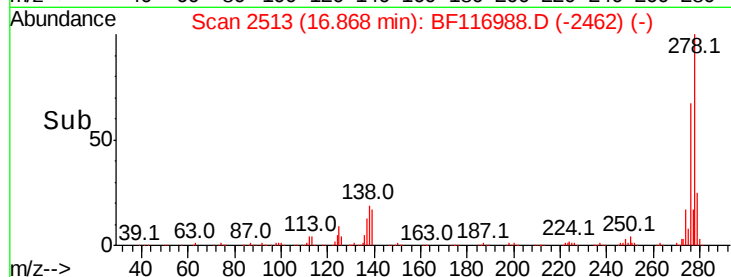
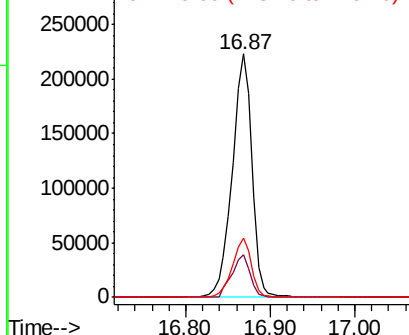


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 51.233 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF116988.D
Acq: 12 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	20.3	18.7	28.1

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

