

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118065.D
 Acq On : 3 Dec 2019 16:37
 Operator : JU
 Sample : K5675-11MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Manual Integrations
 APPROVED

mohammad
 12/4/2019 5:01:28 PM

Quant Time: Dec 03 17:24:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	137298	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	532700	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	276031	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	520307	20.00	ng	0.00
76) Chrysene-d12	14.07	240	324609	20.00	ng	0.00
87) Perylene-d12	15.57	264	310546	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1140976	147.10	ng	0.03
7) Phenol-d6	6.52	99	1395154	149.13	ng	0.00
23) Nitrobenzene-d5	7.45	82	896182	100.01	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	500725	171.35	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1788957	116.27	ng	0.00
79) Terphenyl-d14	13.02	244	2070149	116.55	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.86	88	142280	39.243	ng	# 84
3) Pyridine	3.57	79	317311	33.364	ng	100
4) n-Nitrosodimethylamine	3.49	42	185120	44.589	ng	97
6) Aniline	6.55	93	185361	14.993	ng	98
8) 2-Chlorophenol	6.67	128	450857	53.568	ng	97
9) Benzaldehyde	6.43	77	95674	11.820	ng	98
10) Phenol	6.53	94	488021	50.199	ng	97
11) bis(2-Chloroethyl)ether	6.62	93	378667	48.504	ng	95
12) 1,3-Dichlorobenzene	6.82	146	455745	45.994	ng	98
13) 1,4-Dichlorobenzene	6.90	146	462857	46.213	ng	97
14) 1,2-Dichlorobenzene	7.05	146	441076	46.047	ng	98
15) Benzyl Alcohol	7.02	79	383959	53.158	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.15	45	452560	37.651	ng	98
17) 2-Methylphenol	7.13	107	359479	50.436	ng	98
18) Hexachloroethane	7.39	117	167056	45.404	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	284072	49.218	ng	99
20) 3+4-Methylphenols	7.29	107	449643	50.821	ng	94
22) Acetophenone	7.29	105	608565	50.849	ng	# 91
24) Nitrobenzene	7.46	77	449432	48.616	ng	95
25) Isophorone	7.70	82	788230	47.992	ng	99
26) 2-Nitrophenol	7.78	139	250189	55.603	ng	97
27) 2,4-Dimethylphenol	7.82	122	388791	55.606	ng	98
28) bis(2-Chloroethoxy)methane	7.91	93	492641	47.267	ng	99
29) 2,4-Dichlorophenol	8.02	162	383501	50.566	ng	97
30) 1,2,4-Trichlorobenzene	8.10	180	412789	46.923	ng	100
31) Naphthalene	8.19	128	1366087	55.009	ng	100
32) Benzoic acid	7.94	122	248818	42.502	ng	97
33) 4-Chloroaniline	8.23	127	76838	6.911	ng	96
34) Hexachlorobutadiene	8.30	225	235636	45.814	ng	98
35) Caprolactam	8.61	113	109029m	45.234	ng	
36) 4-Chloro-3-methylphenol	8.72	107	415233	53.948	ng	100
37) 2-Methylnaphthalene	8.88	142	901464	53.724	ng	99
38) 1-Methylnaphthalene	8.98	142	838719	52.872	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	399965	49.894	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118065.D
 Acq On : 3 Dec 2019 16:37
 Operator : JU
 Sample : K5675-11MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

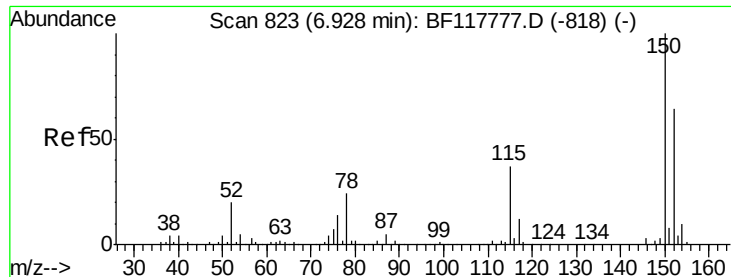
Manual Integrations
 APPROVED

mohammad
 12/4/2019 5:01:28 PM

Quant Time: Dec 03 17:24:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	398474	88.702	nq	100
43) 2,4,6-Trichlorophenol	9.16	196	283013	49.291	nq	100
44) 2,4,5-Trichlorophenol	9.21	196	302166	50.687	nq	97
46) 1,1'-Biphenyl	9.35	154	1089298	53.191	nq	99
47) 2-Chloronaphthalene	9.37	162	839656	49.840	nq	98
48) 2-Nitroaniline	9.47	65	235662	46.334	nq	99
49) Acenaphthylene	9.79	152	1323183	53.871	nq	99
50) Dimethylphthalate	9.65	163	977953	50.523	nq	99
51) 2,6-Dinitrotoluene	9.71	165	224520	53.073	nq	98
52) Acenaphthene	9.96	154	780814	49.624	nq	99
53) 3-Nitroaniline	9.88	138	108931	21.519	nq	90
54) 2,4-Dinitrophenol	9.99	184	193746	88.309	nq	96
55) Dibenzofuran	10.14	168	1172169	53.798	nq	100
56) 4-Nitrophenol	10.05	139	359486	95.141	nq	99
57) 2,4-Dinitrotoluene	10.12	165	301954	56.111	nq	# 87
58) Fluorene	10.48	166	920862	54.539	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	244925	50.003	nq	100
60) Diethylphthalate	10.35	149	977081	51.776	nq	99
61) 4-Chlorophenyl-phenylether	10.47	204	446013	52.052	nq	100
62) 4-Nitroaniline	10.50	138	228580	45.099	nq	98
63) Azobenzene	10.63	77	860359	50.113	nq	100
65) 4,6-Dinitro-2-methylphenol	10.53	198	143769	59.189	nq	94
66) n-Nitrosodiphenylamine	10.59	169	816176	53.900	nq	98
67) 4-Bromophenyl-phenylether	10.96	248	282620	50.342	nq	99
68) Hexachlorobenzene	11.03	284	326389	49.859	nq	98
69) Atrazine	11.12	200	240400	48.262	nq	98
70) Pentachlorophenol	11.23	266	347403	90.836	nq	99
71) Phenanthrene	11.45	178	1368578	52.317	nq	99
72) Anthracene	11.50	178	1401971	54.054	nq	99
73) Carbazole	11.66	167	1215794	53.643	nq	99
74) Di-n-butylphthalate	11.98	149	1488341	52.742	nq	99
75) Fluoranthene	12.64	202	1377583	60.405	nq	99
77) Benzidine	12.76	184	19804	1.863	nq	# 95
78) Pyrene	12.87	202	1379111	52.571	nq	99
80) Butylbenzylphthalate	13.49	149	611293	54.254	nq	99
81) Benzo(a)anthracene	14.06	228	1108237	51.665	nq	99
82) 3,3'-Dichlorobenzidine	14.02	252	208740	27.820	nq	98
83) Chrysene	14.10	228	1072091	51.578	nq	99
84) Bis(2-ethylhexyl)phthalate	14.04	149	823059	60.253	nq	99
85) Di-n-octyl phthalate	14.66	149	1235081	61.546	nq	100
86) Indeno(1,2,3-cd)pyrene	17.09	276	1123453	63.505	nq	100
88) Benzo(b)fluoranthene	15.13	252	1017525	50.432	nq	99
89) Benzo(k)fluoranthene	15.16	252	904789	47.594	nq	99
90) Benzo(a)pyrene	15.51	252	909678	51.273	nq	97
91) Dibenzo(a,h)anthracene	17.11	278	940227	61.570	nq	99
92) Benzo(g,h,i)perylene	17.55	276	951652	62.567	nq	99

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



#1

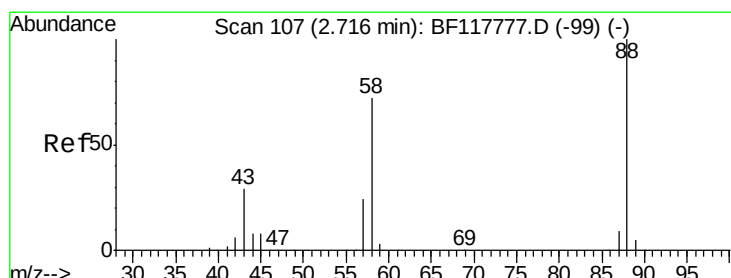
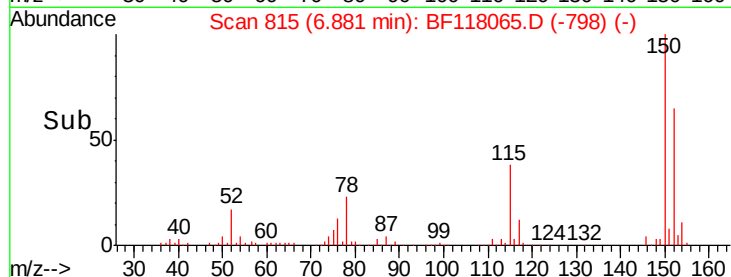
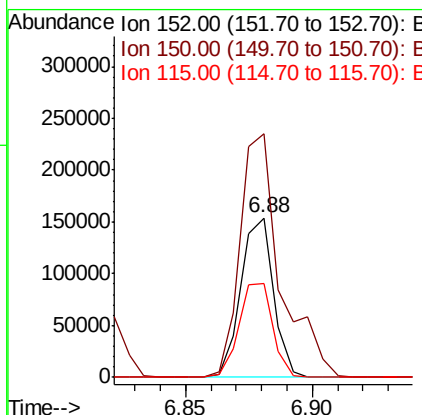
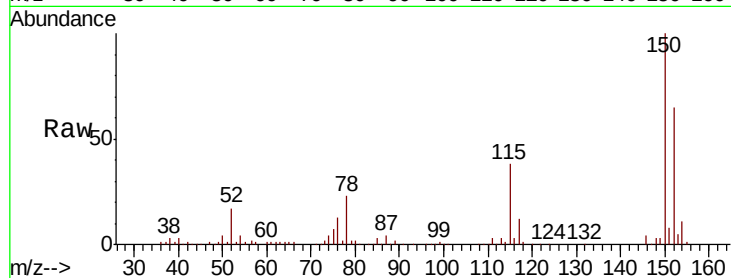
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	121.4	182.2
115	58.5	48.8	73.2

Manual Integrations
APPROVED

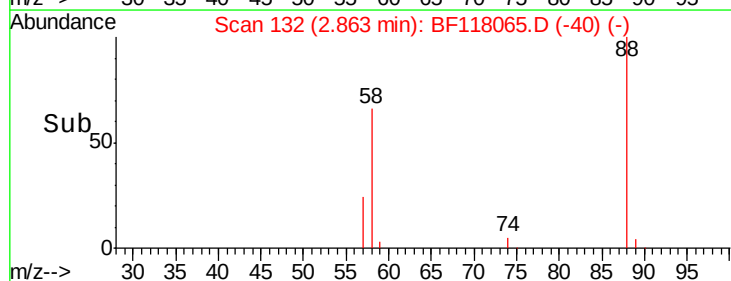
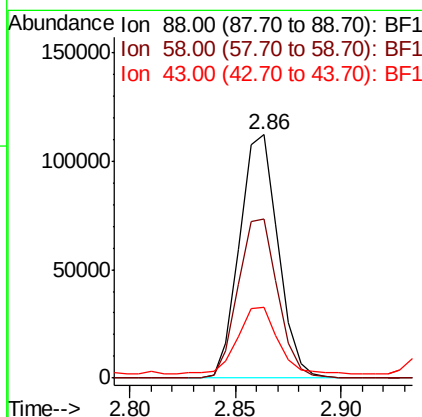
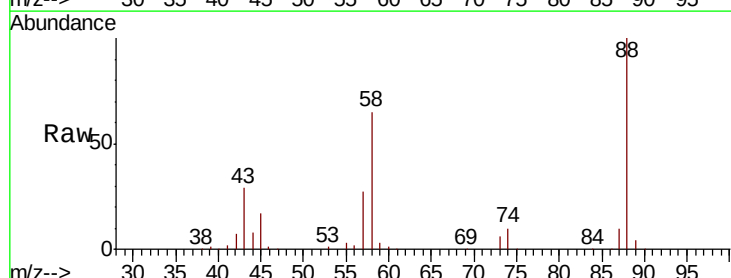
mohammad
12/4/2019 5:01:28 PM

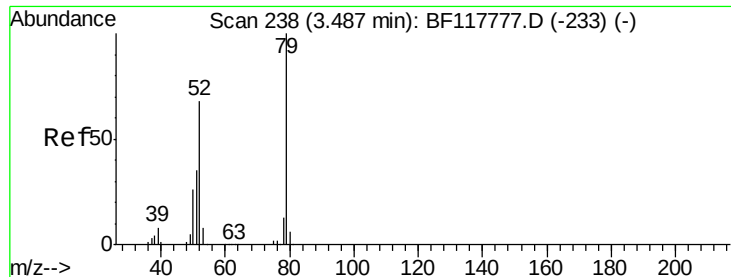


#2

1,4-Dioxane
Concen: 39.243 ng
RT: 2.86 min Scan# 132
Delta R.T. 0.24 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.7	52.6	78.8
43	0.0	21.8	32.6





#3

Pvridine

Concen: 33.364 ng

RT: 3.57 min Scan# 252

Delta R.T. 0.19 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

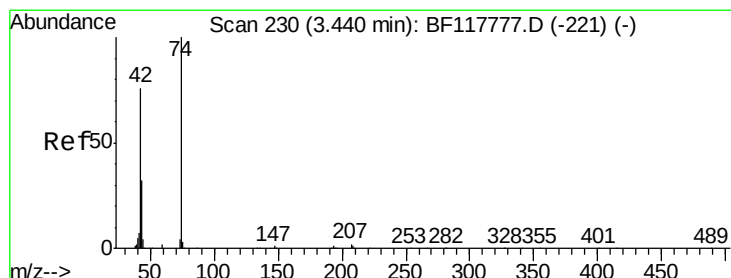
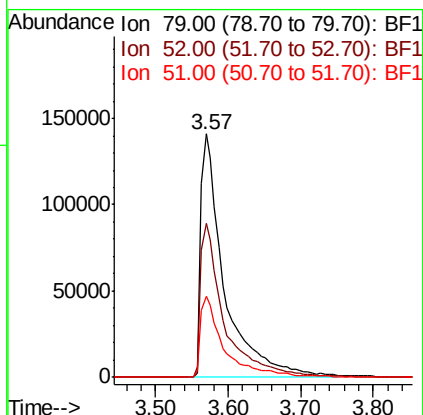
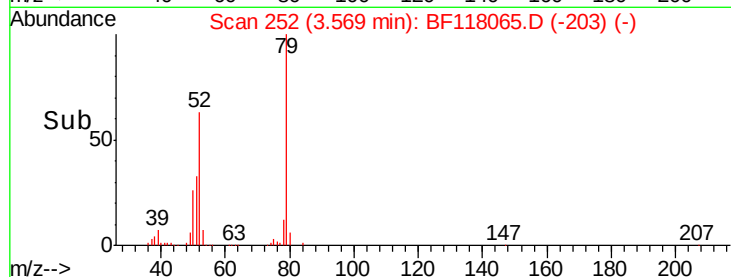
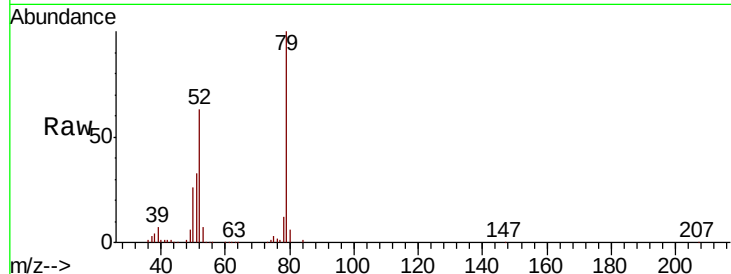
ClientSampleId :

TR-05-112619MSD

Tot Ion:	79	Resp:	317311
Ion Ratio	Lower	Upper	
79	100		
52	63.3	50.6	75.8
51	33.2	26.8	40.2

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



#4

n-Nitrosodimethylamine

Concen: 44.589 ng

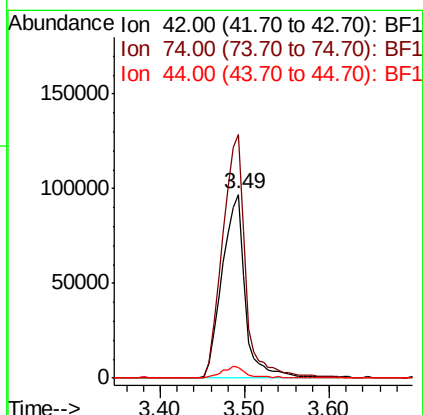
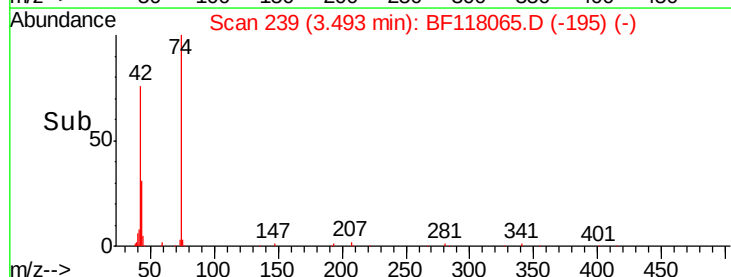
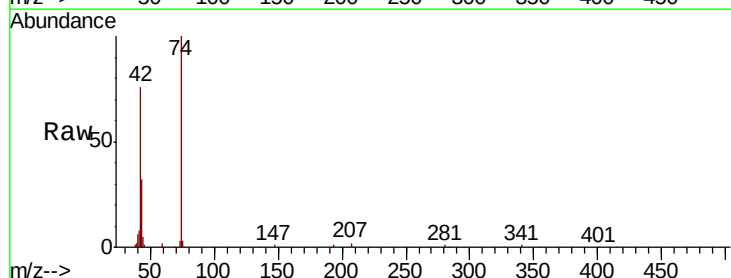
RT: 3.49 min Scan# 239

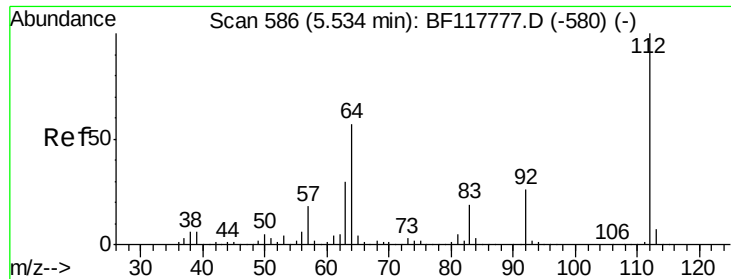
Delta R.T. 0.16 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	42	Resp:	185120
Ion Ratio	Lower	Upper	
42	100		
74	132.3	102.8	154.2
44	6.1	4.7	7.1





#5

2-Fluorophenol

Concen: 147.100 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.03 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion: 112 Resp: 1140976

Ion Ratio Lower Upper

112 100

64 53.8 45.1 67.7

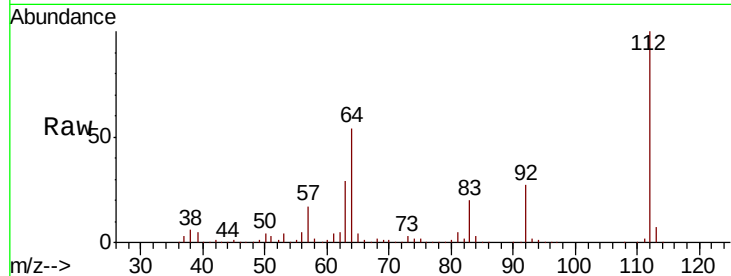
63 29.3 24.6 37.0

Manual Integrations

APPROVED

mohammad

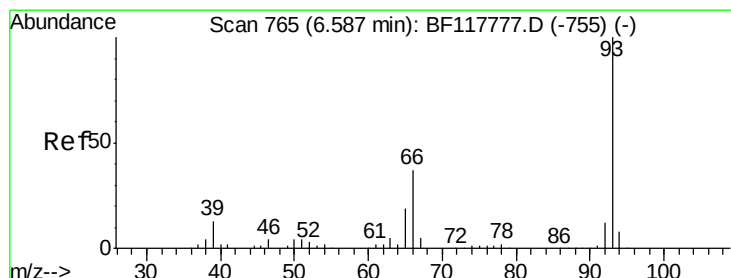
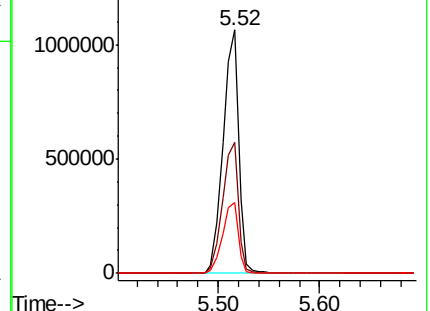
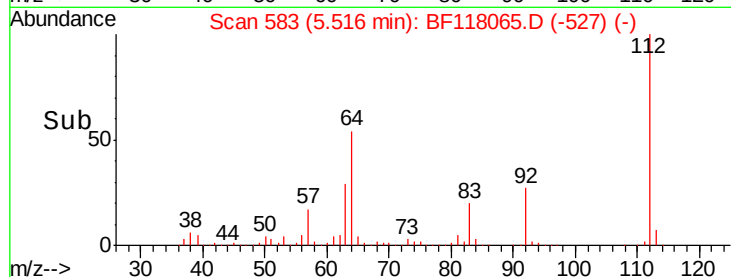
12/4/2019 5:01:28 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.993 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

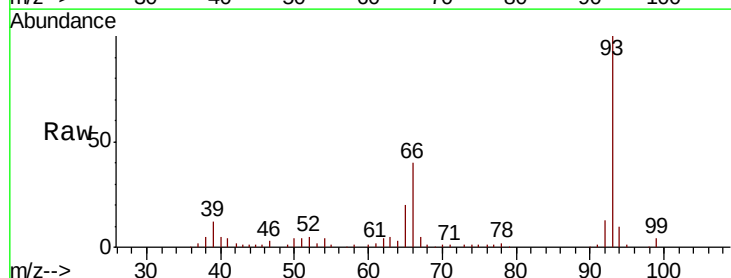
Tgt Ion: 93 Resp: 185361

Ion Ratio Lower Upper

93 100

66 40.3 31.0 46.6

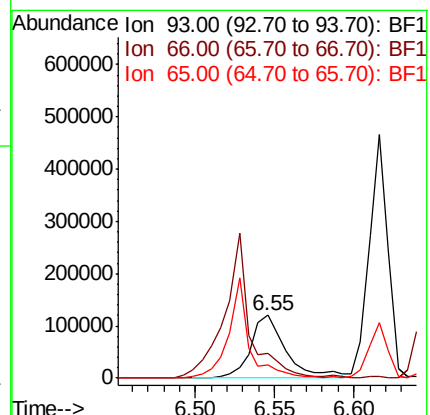
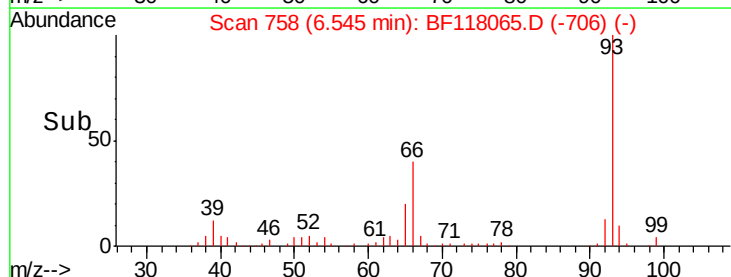
65 20.3 15.8 23.8

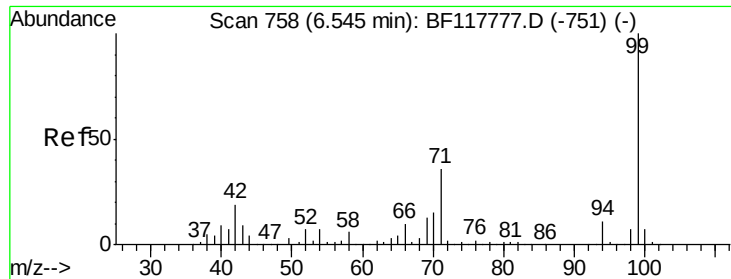


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 149.125 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion: 99 Resp: 1395154

Ion Ratio Lower Upper

99 100

42 17.9 14.0 21.0

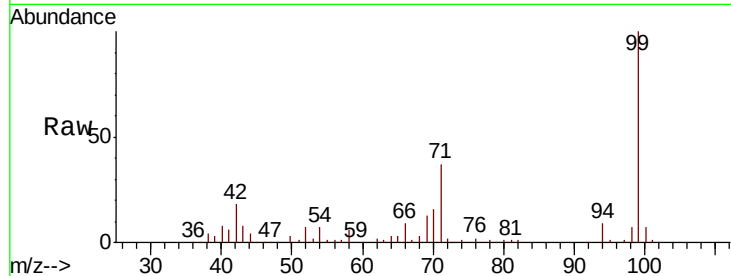
71 36.9 29.2 43.8

Manual Integrations

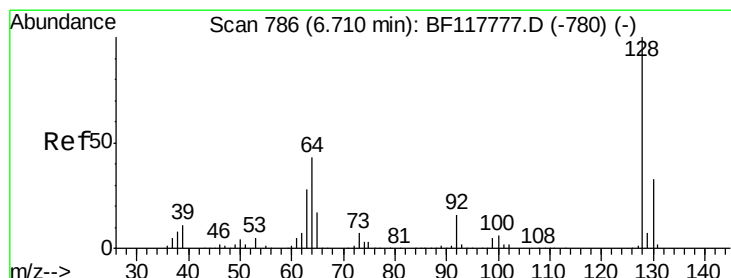
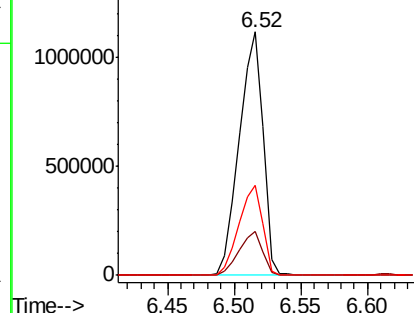
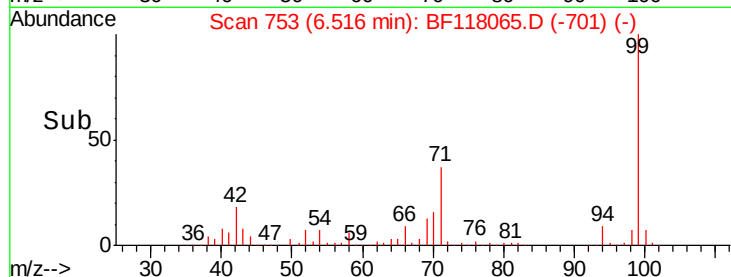
APPROVED

mohammad

12/4/2019 5:01:28 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 53.568 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

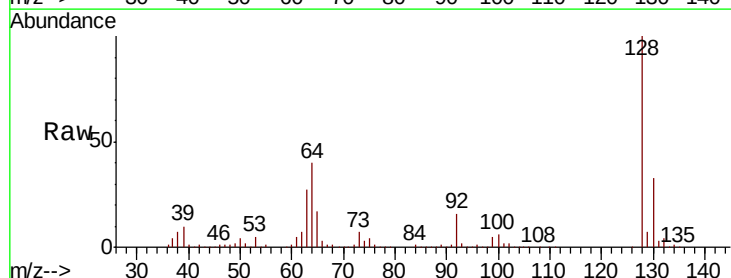
Tgt Ion: 128 Resp: 450857

Ion Ratio Lower Upper

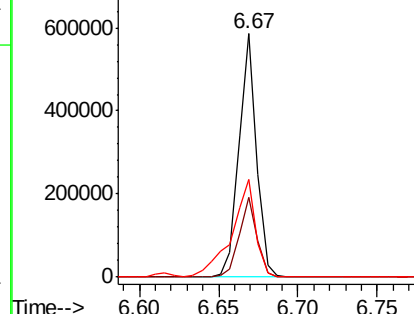
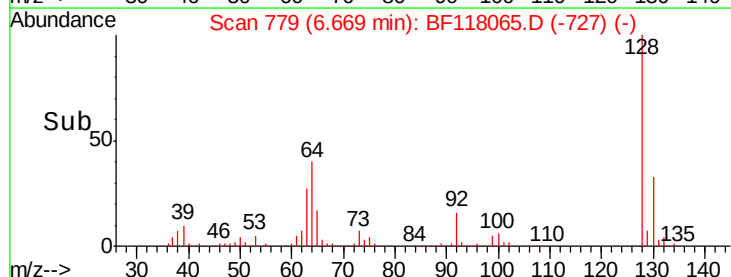
128 100

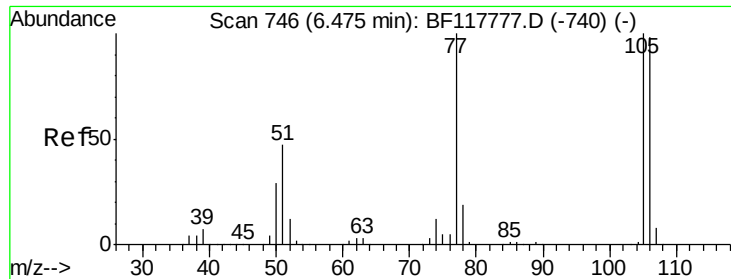
130 32.9 12.4 52.4

64 40.1 23.2 63.2



Abundance Ion 128.00 (127.70 to 128.70): E
800000
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 11.820 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

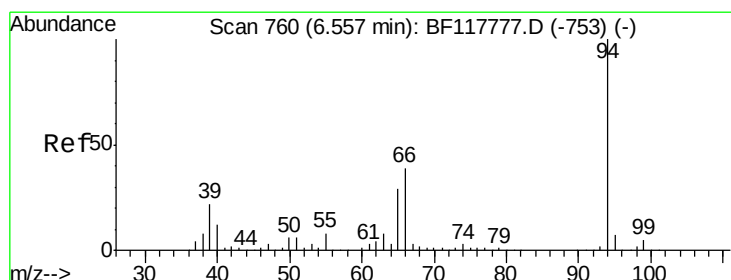
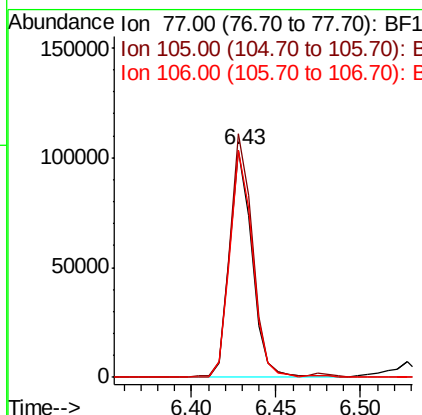
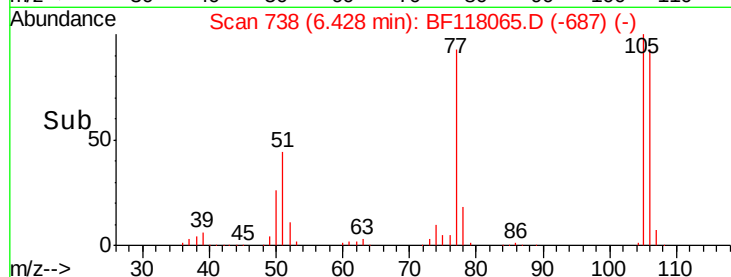
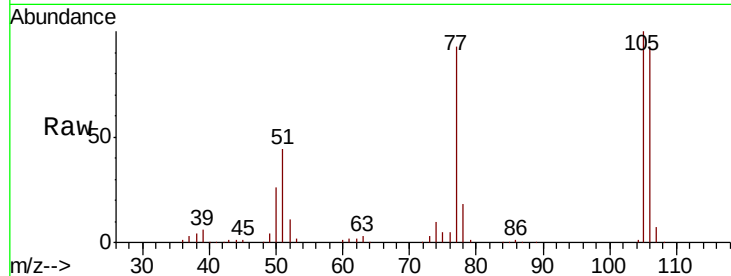
ClientSampleId :

TR-05-112619MSD

Tot Ion:	77	Resp:	95674
Ion	Ratio	Lower	Upper
77	100		
105	107.2	83.3	123.3
106	99.8	80.9	120.9

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



#10

Phenol

Concen: 50.199 ng

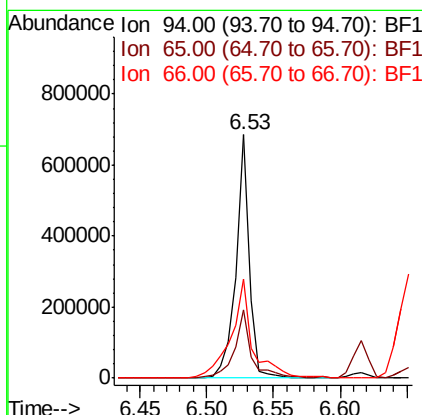
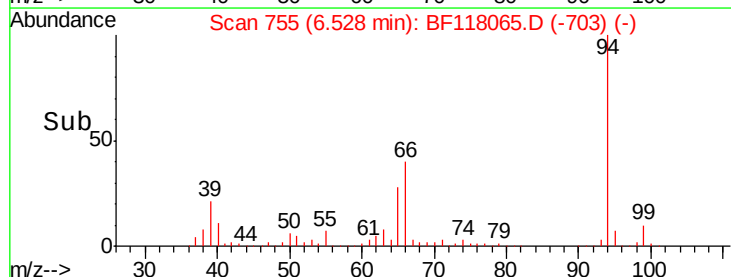
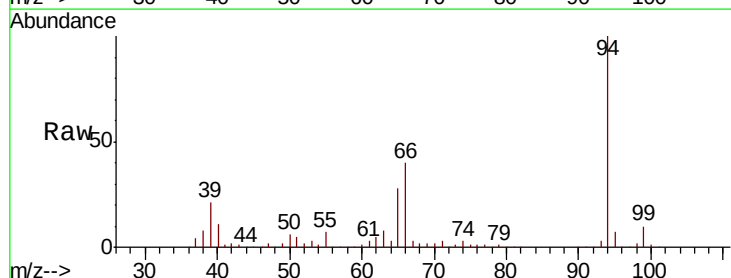
RT: 6.53 min Scan# 755

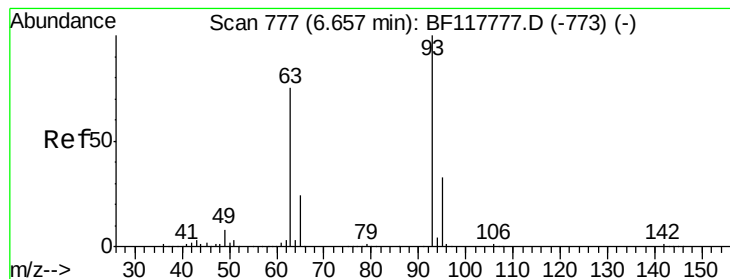
Delta R.T. 0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	94	Resp:	488021
Ion	Ratio	Lower	Upper
94	100		
65	28.2	6.9	46.9
66	40.4	18.6	58.6





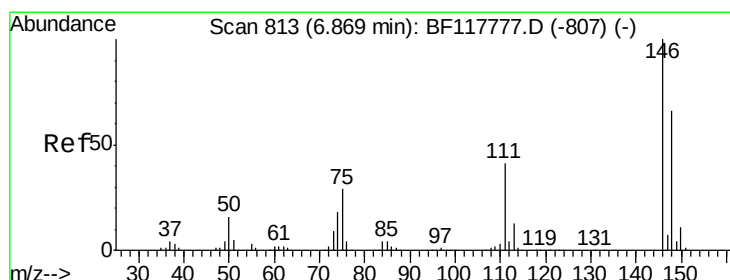
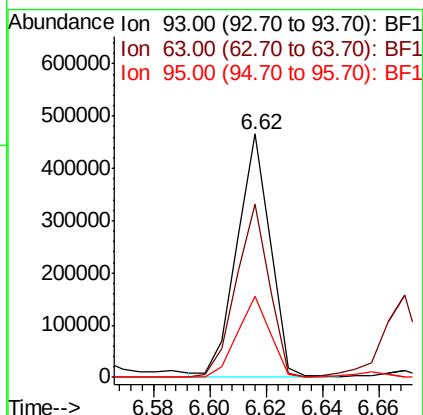
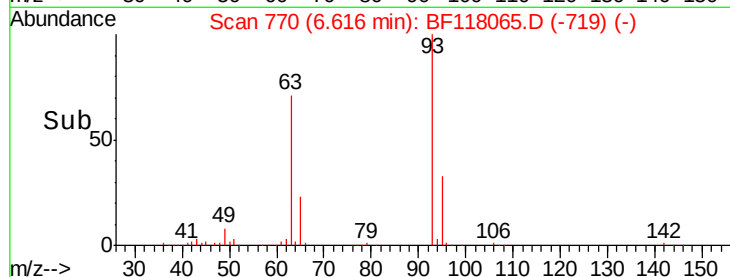
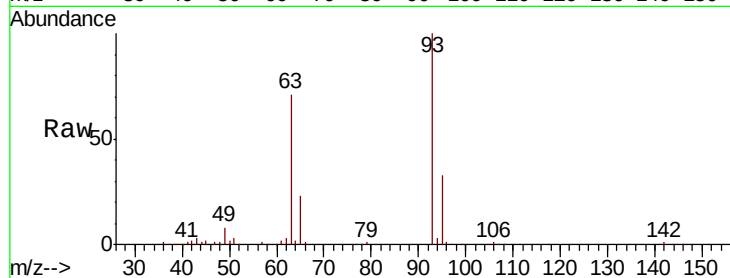
#11
bis(2-Chloroethyl)ether
Concen: 48.504 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	93	Resp	378667
Ion Ratio	Lower	Upper	
93	100		
63	71.4	46.8	86.8
95	33.3	12.0	52.0

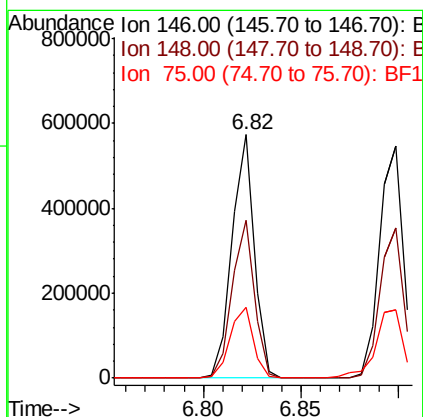
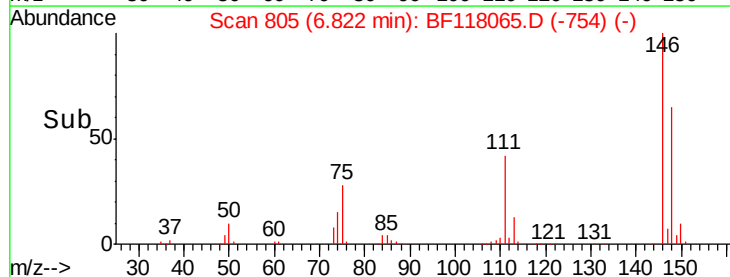
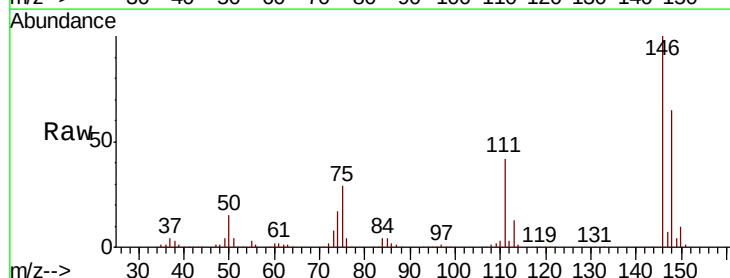
Manual Integrations
APPROVED

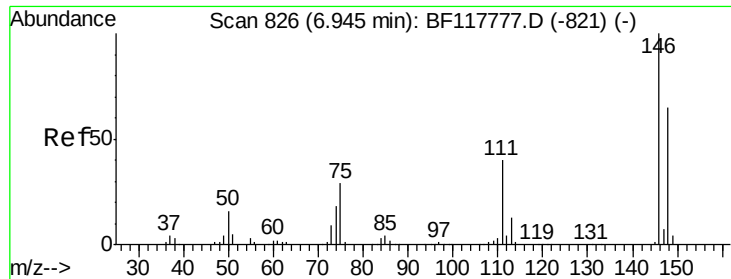
mohammad
12/4/2019 5:01:28 PM



#12
1,3-Dichlorobenzene
Concen: 45.994 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	146	Resp	455745
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.7	79.1
75	29.1	24.5	36.7





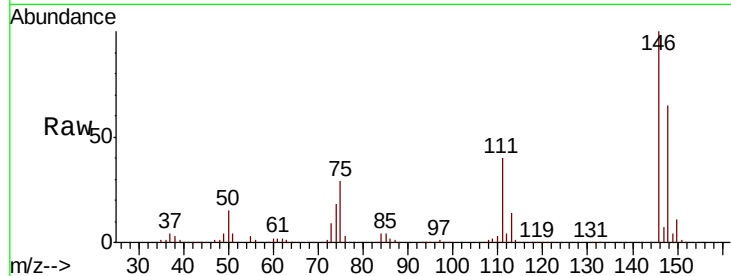
#13
 1,4-Dichlorobenzene
 Concen: 46.213 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.5	34.6	51.8

Manual Integrations
 APPROVED

mohammad
 12/4/2019 5:01:28 PM

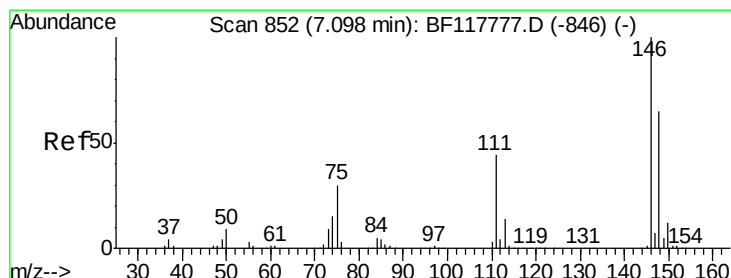
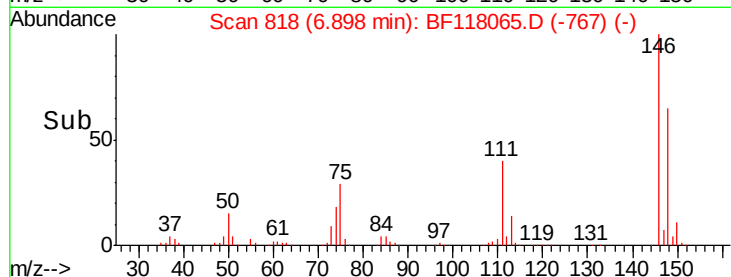
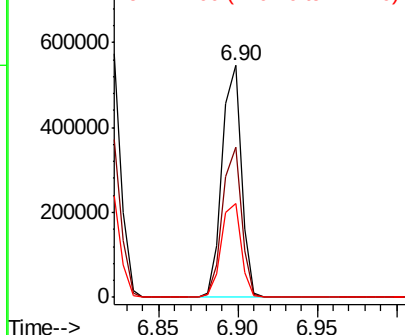


Abundance

Ion 146.00 (145.70 to 146.70): E

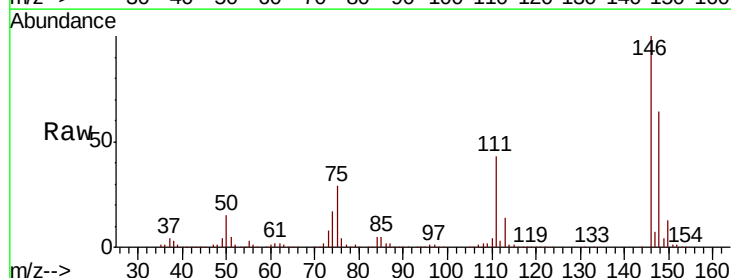
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 46.047 ng
 RT: 7.05 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	42.9	35.8	53.8

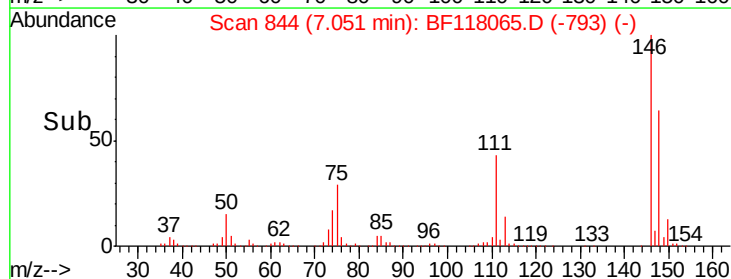
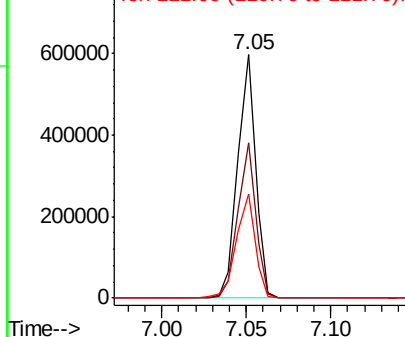


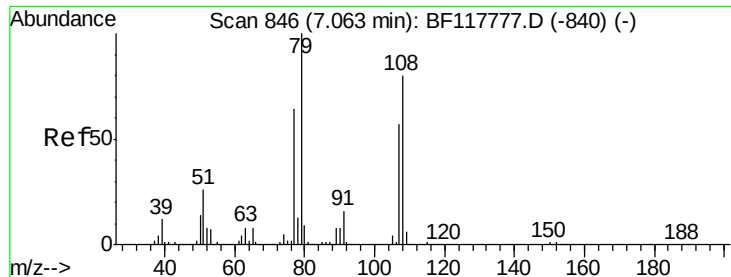
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 53.158 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

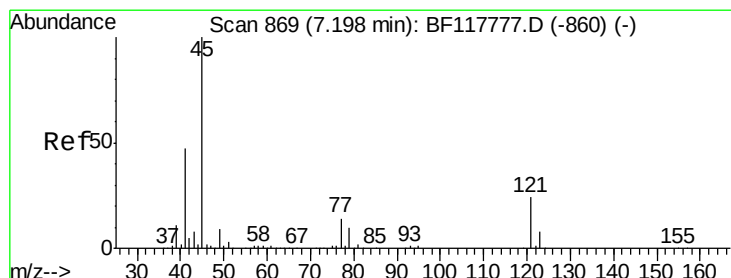
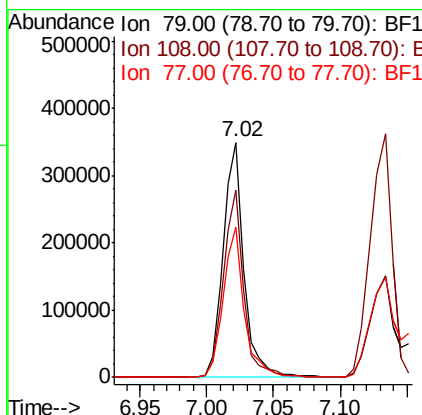
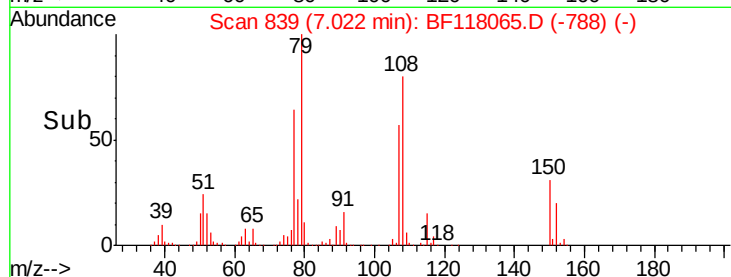
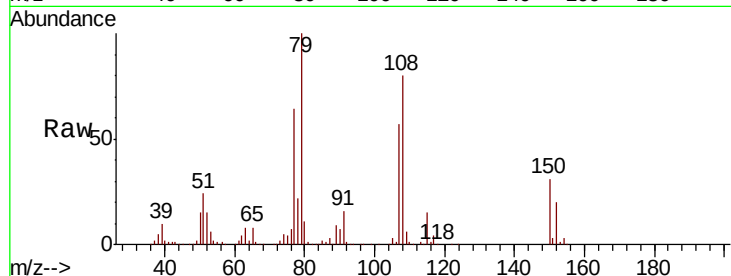
ClientSampleId :

TR-05-112619MSD

Tot Ion:	79	Resp:	383959
Ion Ratio	Lower	Upper	
79	100		
108	79.7	63.1	94.7
77	64.1	50.6	76.0

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.651 ng

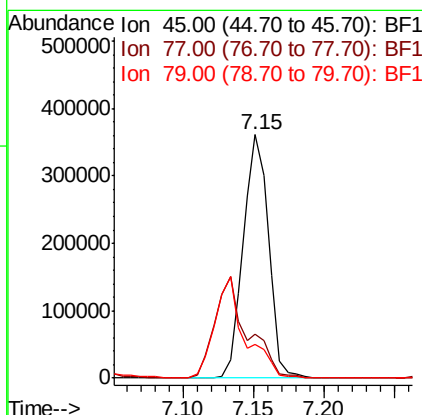
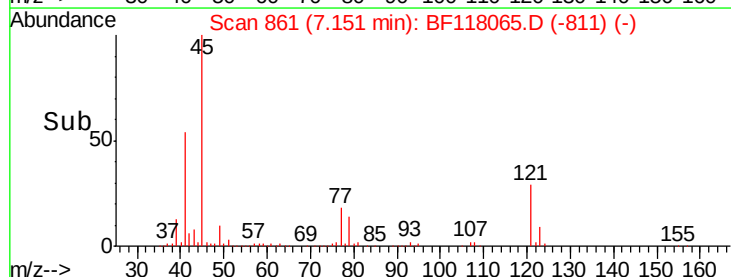
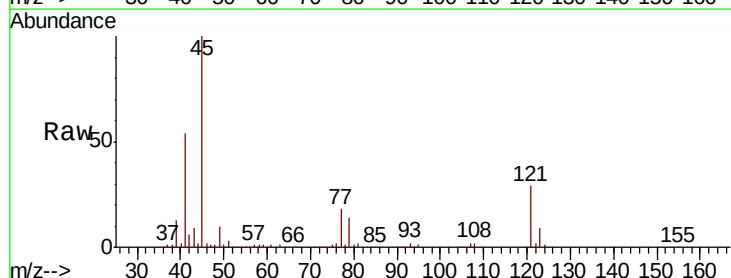
RT: 7.15 min Scan# 861

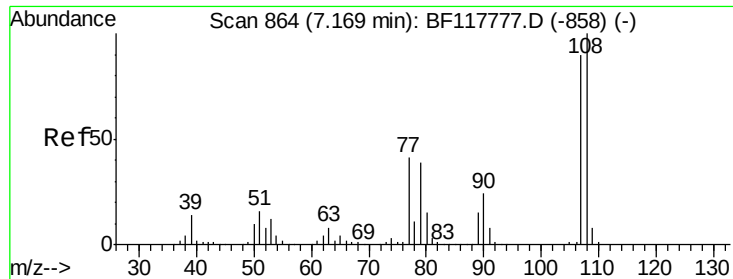
Delta R.T. -0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	45	Resp:	452560
Ion Ratio	Lower	Upper	
45	100		
77	18.0	0.0	36.8
79	13.7	0.0	33.5





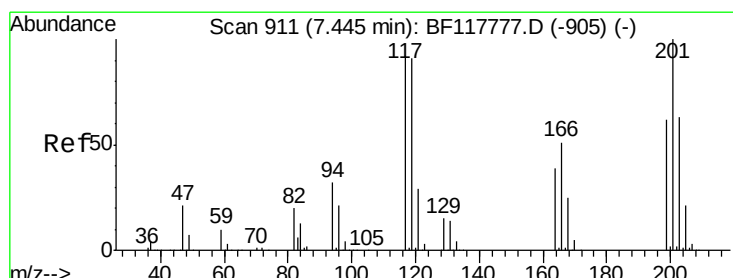
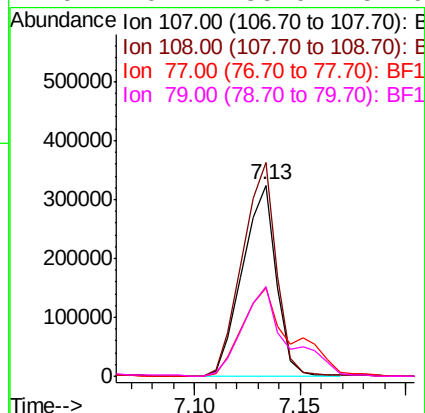
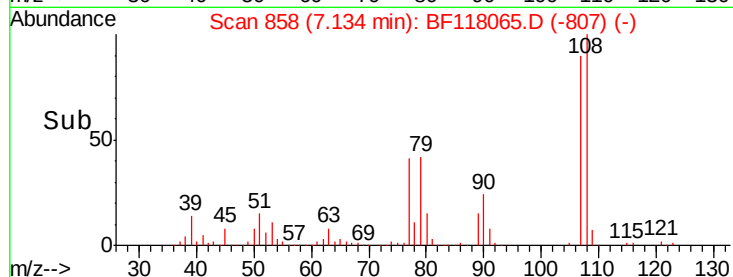
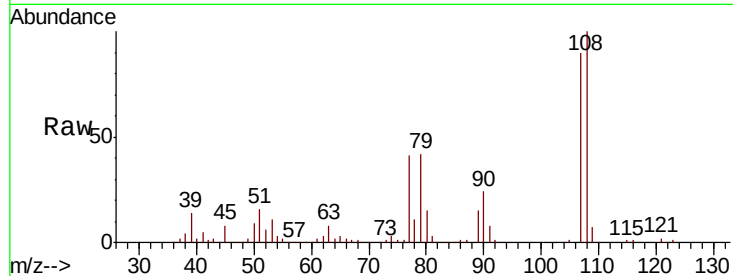
#17
2-Methylphenol
Concen: 50.436 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.6	89.8	134.8
77	46.2	35.0	52.6
79	46.7	35.0	52.6

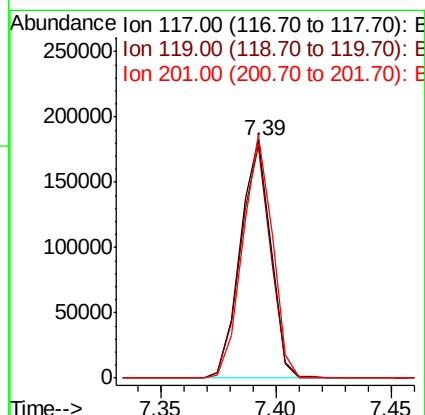
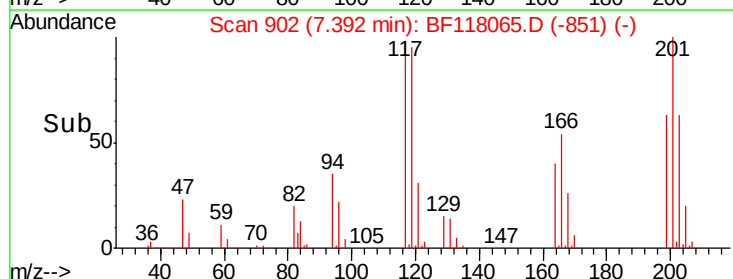
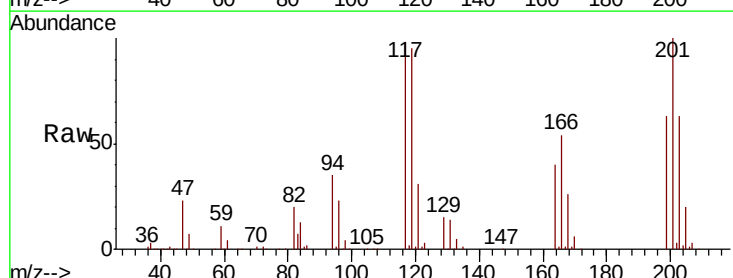
Manual Integrations
APPROVED

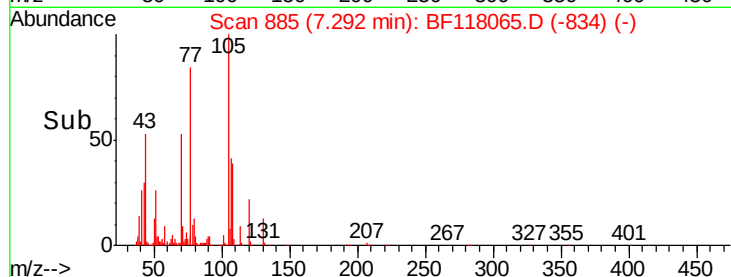
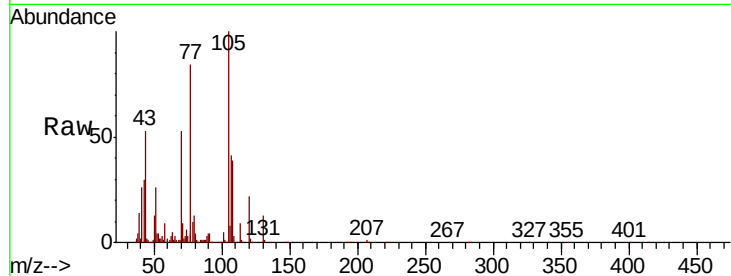
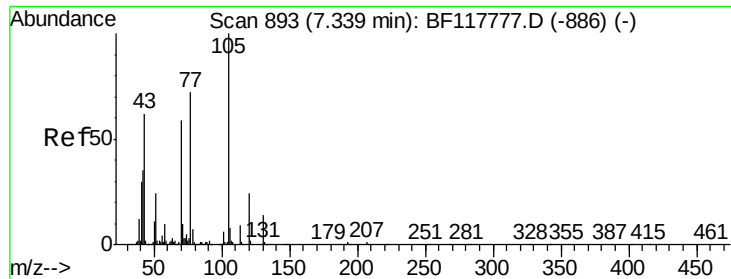
mohammad
12/4/2019 5:01:28 PM



#18
Hexachloroethane
Concen: 45.404 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.4	114.6
201	102.1	71.7	107.5





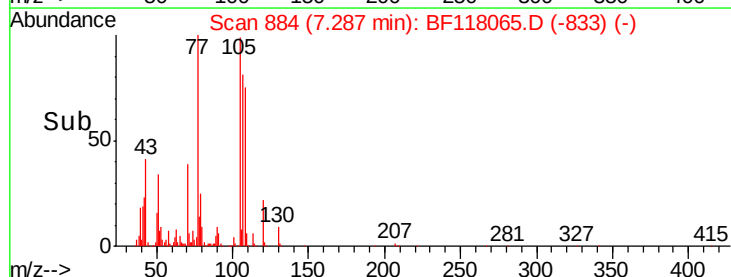
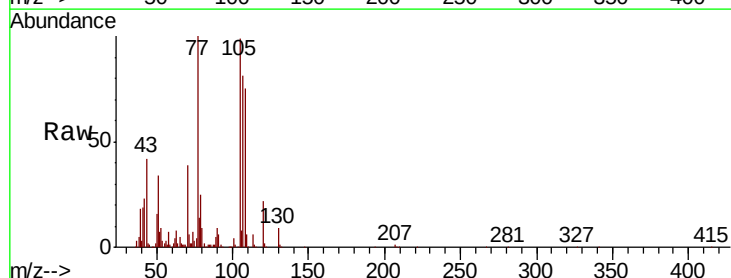
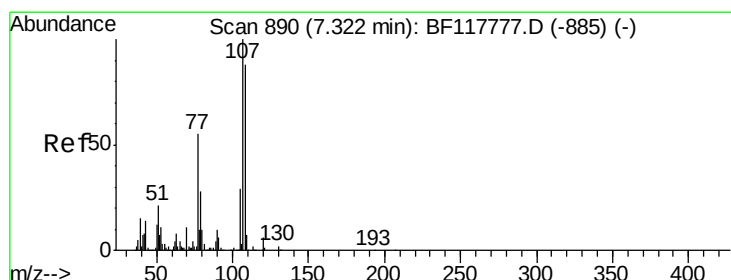
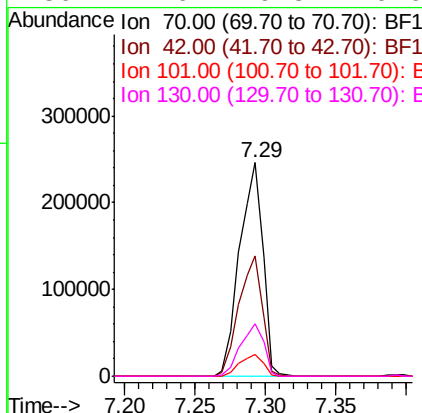
#19
n-Nitroso-di-n-propylamine
Concen: 49.218 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.2	46.0	69.0	
101	10.0	8.8	13.2	
130	24.6	19.8	29.6	

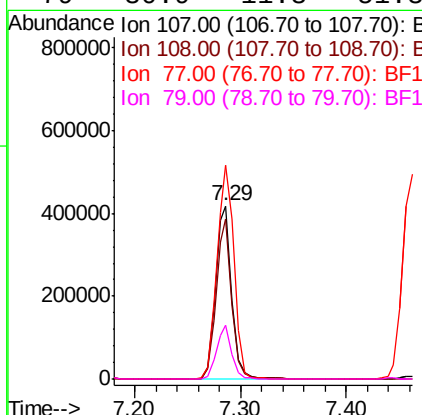
Manual Integrations
APPROVED

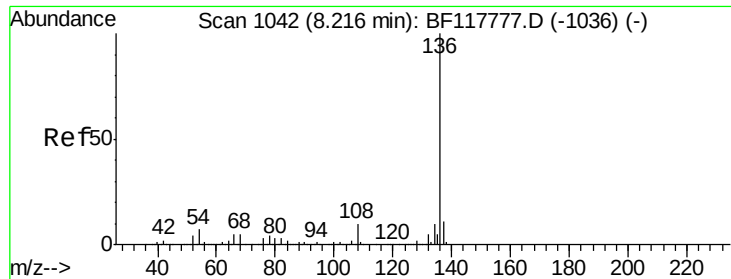
mohammad
12/4/2019 5:01:28 PM



#20
3+4-Methylphenols
Concen: 50.821 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.5	71.9	111.9	
77	123.6	91.6	131.6	
79	30.9	11.3	51.3	





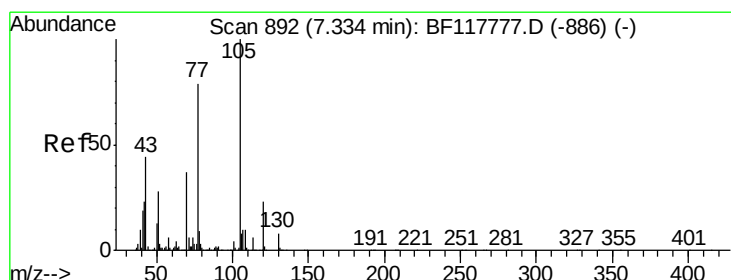
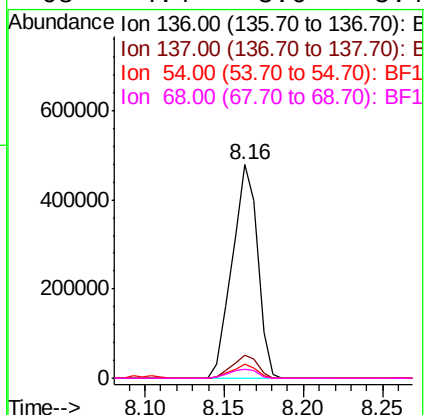
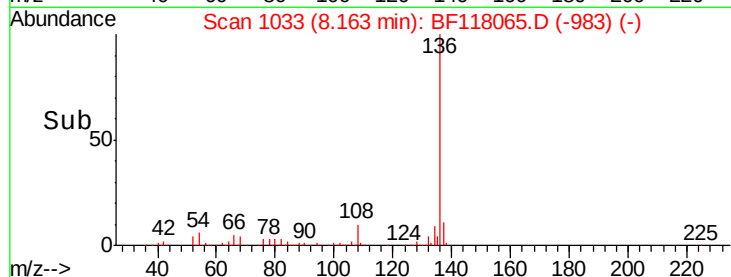
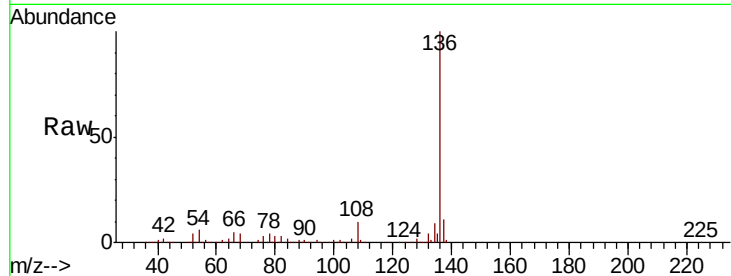
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		532700		
137	10.8	9.1	13.7		
54	6.4	4.9	7.3		
68	4.4	3.6	5.4		

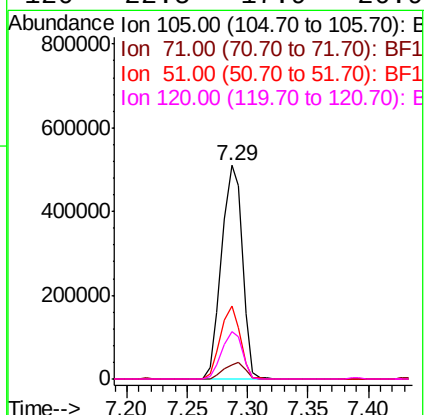
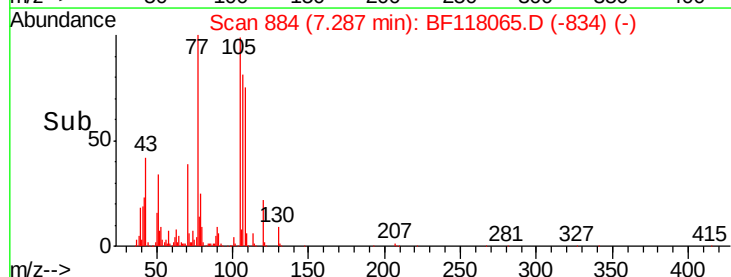
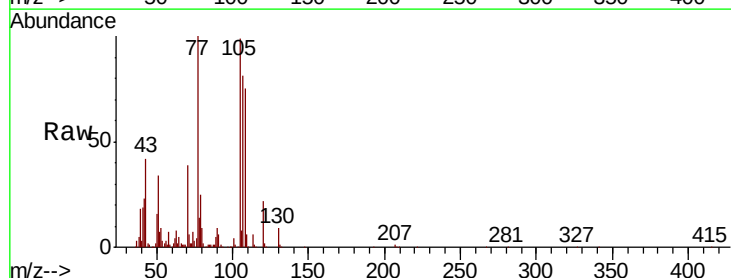
Manual Integrations
APPROVED

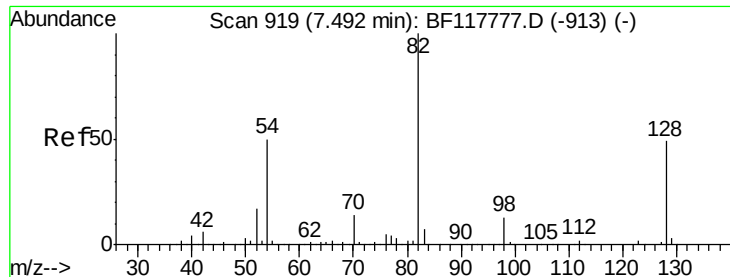
mohammad
12/4/2019 5:01:28 PM



#22
Acetophenone
Concen: 50.849 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		608565		
71	6.5	5.9	8.9		
51	34.1	20.2	30.2#		
120	22.5	17.9	26.9		





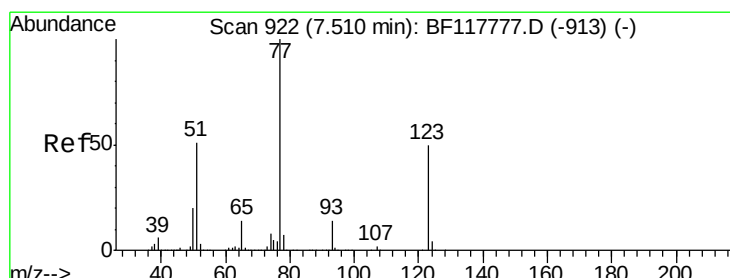
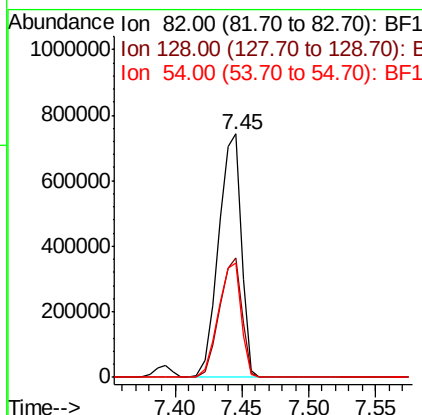
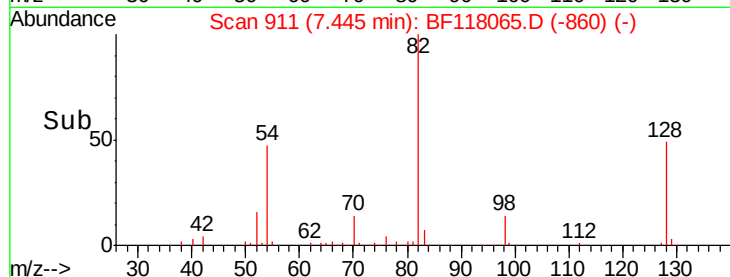
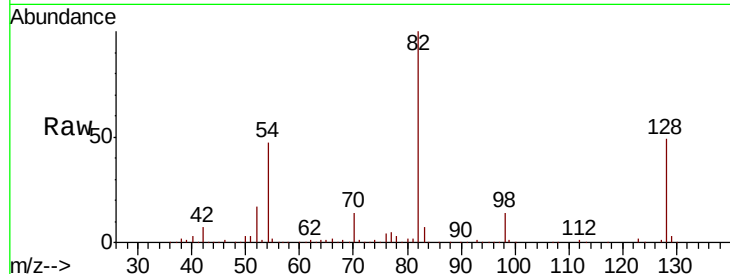
#23
Nitrobenzene-d5
Concen: 100.008 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	38.2	57.4
54	47.0	39.0	58.4

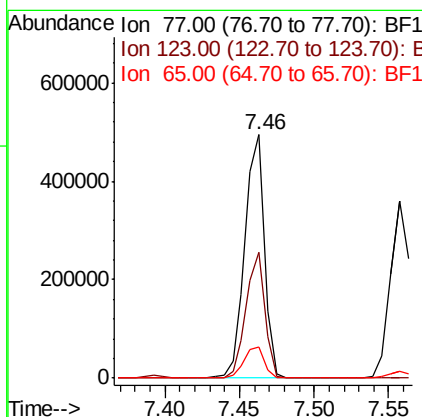
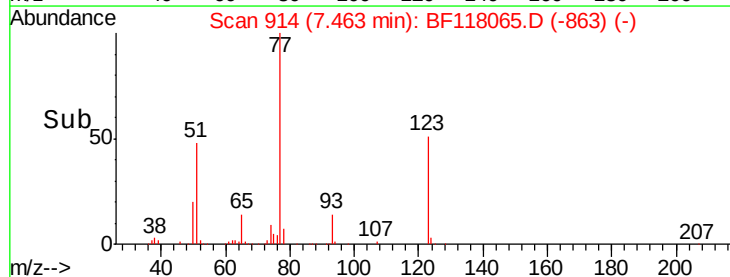
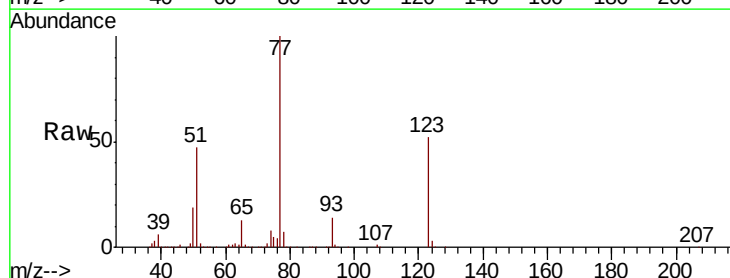
Manual Integrations
APPROVED

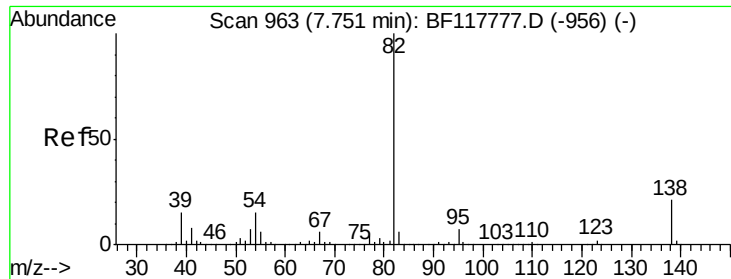
mohammad
12/4/2019 5:01:28 PM



#24
Nitrobenzene
Concen: 48.616 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.7	38.2	57.2
65	13.0	11.1	16.7





#25

Isophorone

Concen: 47.992 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

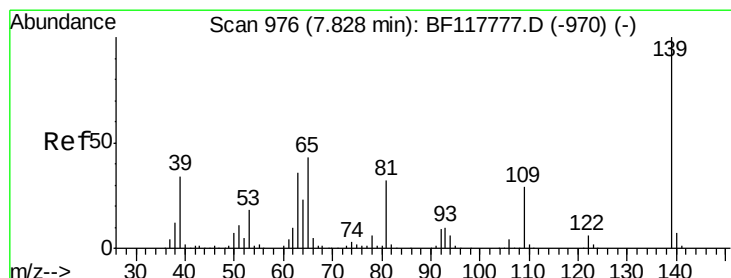
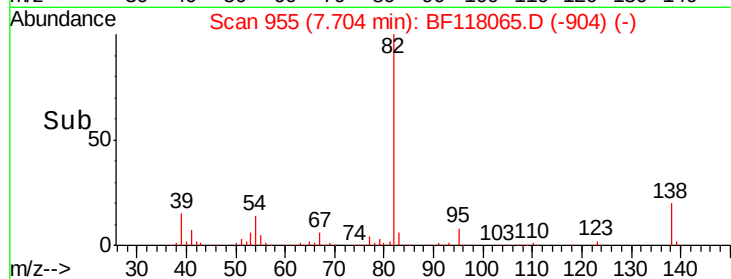
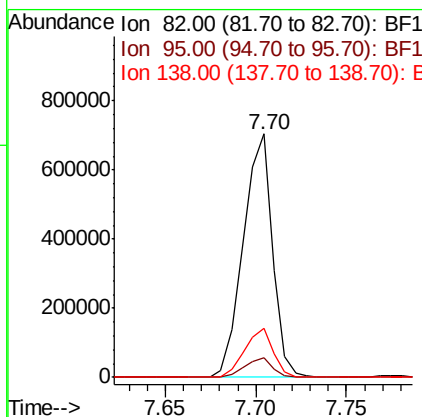
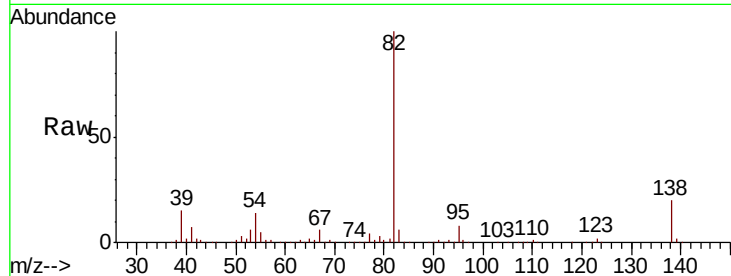
ClientSampleId :

TR-05-112619MSD

Tot Ion:	82	Resp:	788230
Ion Ratio	Lower	Upper	
82	100		
95	8.1	6.2	9.2
138	20.1	15.9	23.9

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



#26

2-Nitrophenol

Concen: 55.603 ng

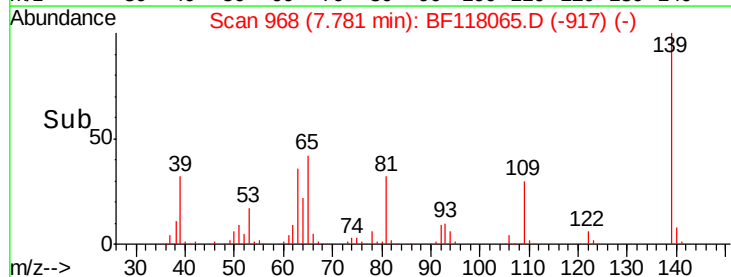
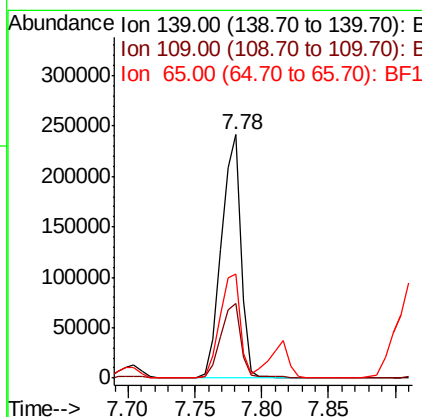
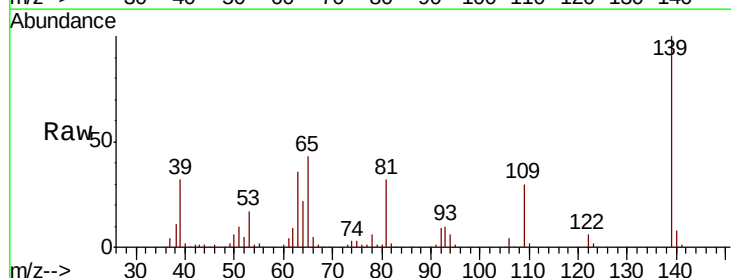
RT: 7.78 min Scan# 968

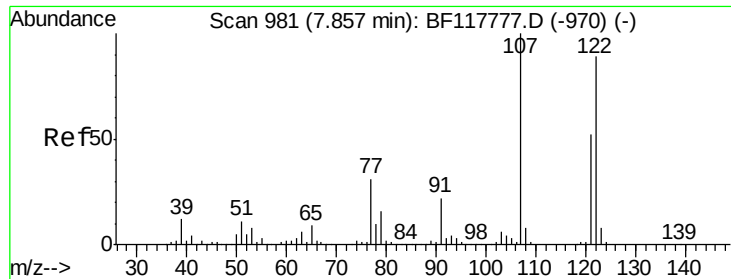
Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	139	Resp:	250189
Ion Ratio	Lower	Upper	
139	100		
109	30.4	23.8	35.6
65	42.6	36.2	54.4





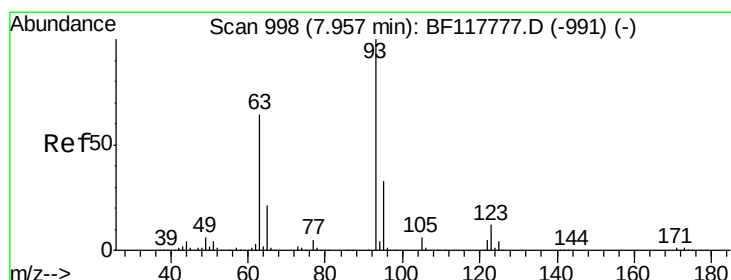
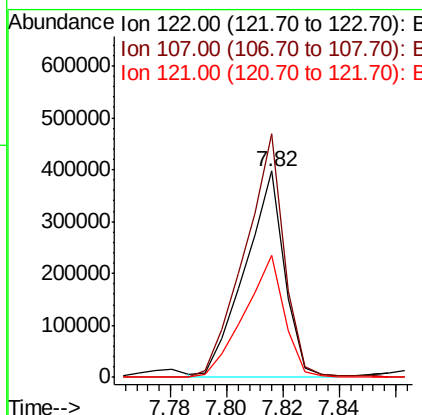
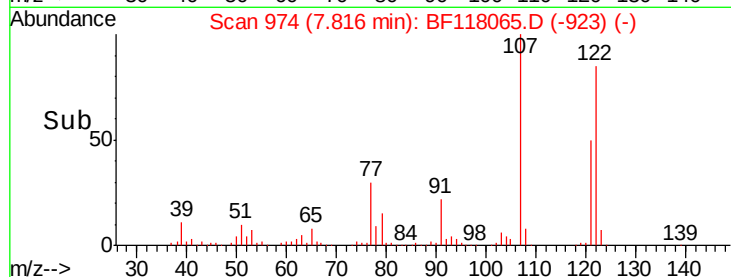
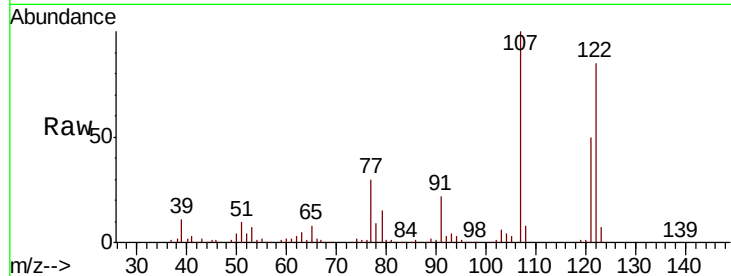
#27
2,4-Dimethylphenol
Concen: 55.606 ng
RT: 7.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	388791		
107	118.2	92.6	138.8	
121	59.4	46.9	70.3	

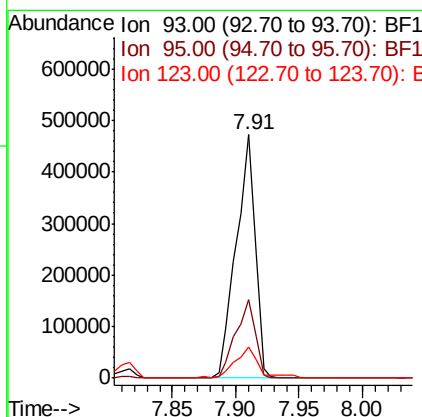
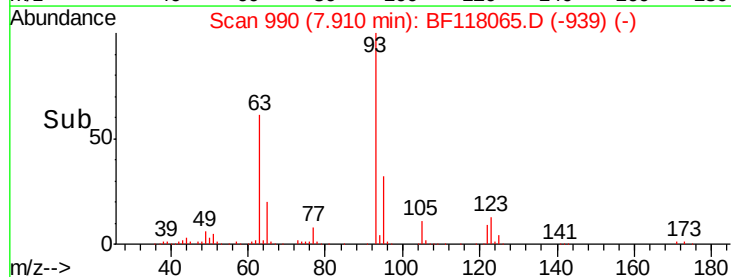
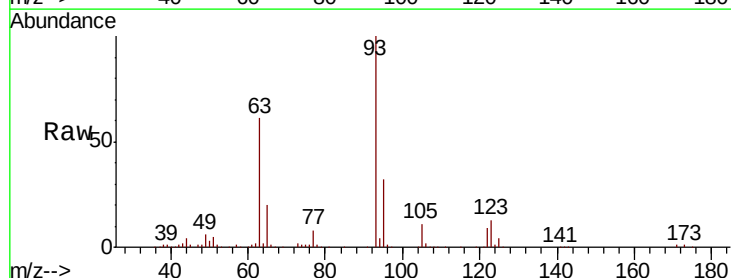
Manual Integrations
APPROVED

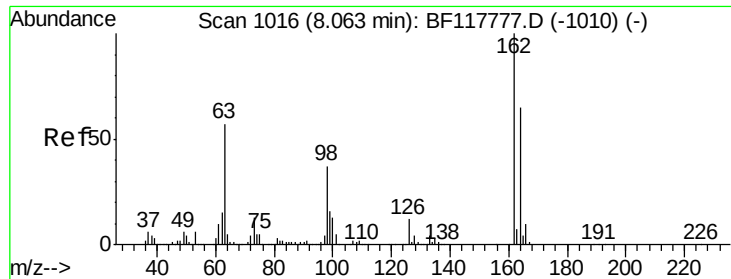
mohammad
12/4/2019 5:01:28 PM



#28
bis(2-Chloroethoxy)methane
Concen: 47.267 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	492641		
95	32.2	26.4	39.6	
123	12.7	10.2	15.4	





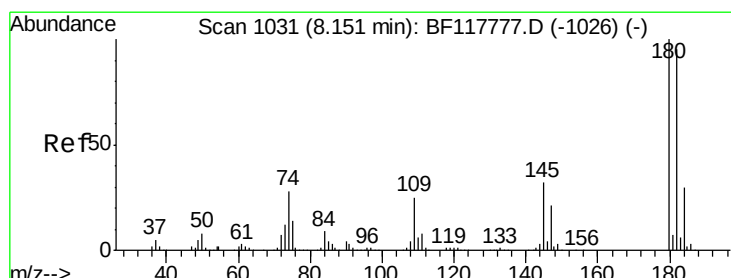
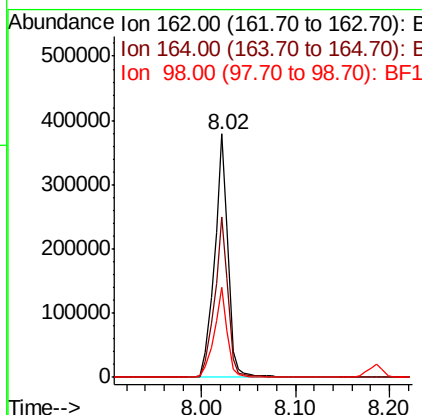
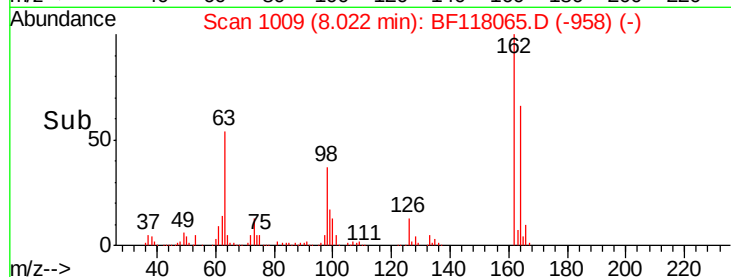
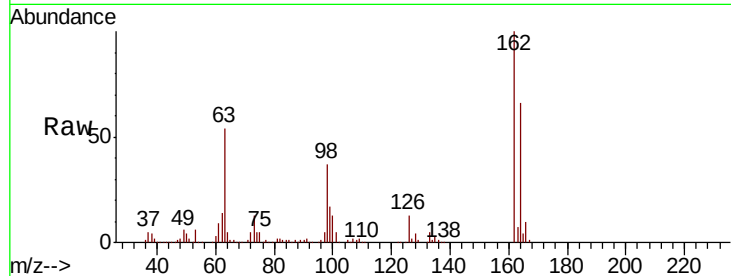
#29
2,4-Dichlorophenol
Concen: 50.566 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	383501		
164	65.8	42.9	82.9	
98	37.2	16.7	56.7	

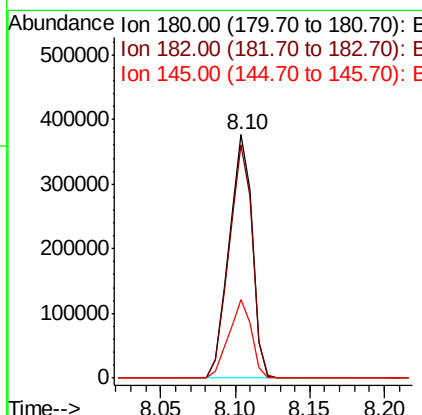
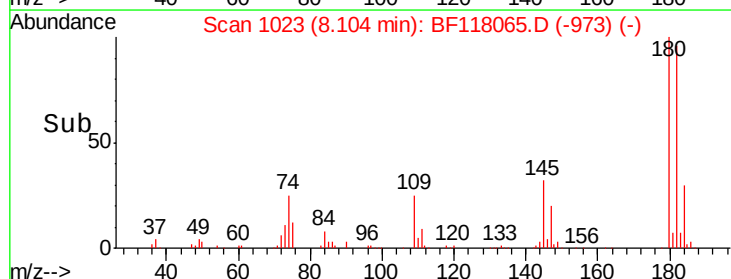
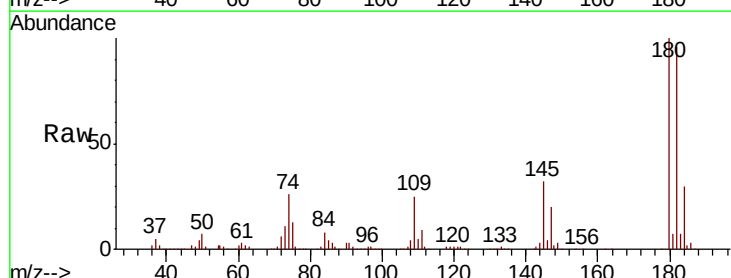
Manual Integrations
APPROVED

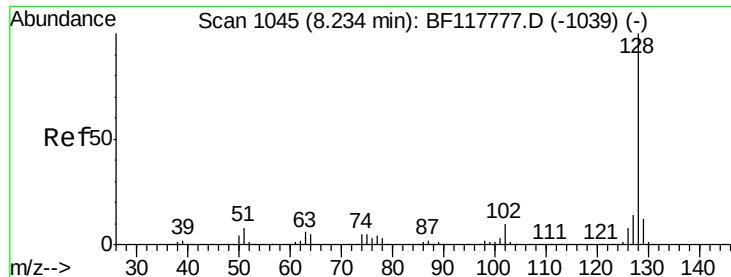
mohammad
12/4/2019 5:01:28 PM



#30
1,2,4-Trichlorobenzene
Concen: 46.923 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	412789		
182	95.7	76.6	114.8	
145	32.2	25.1	37.7	





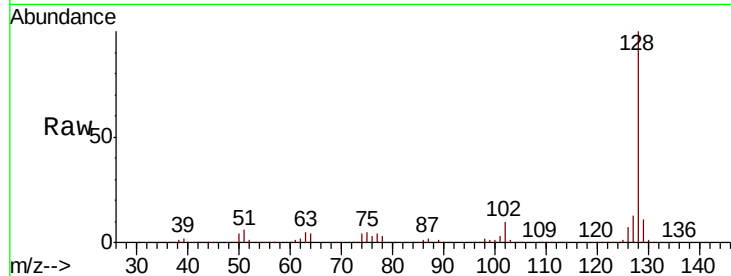
#31
Naphthalene
Concen: 55.009 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.3	10.6	16.0

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM

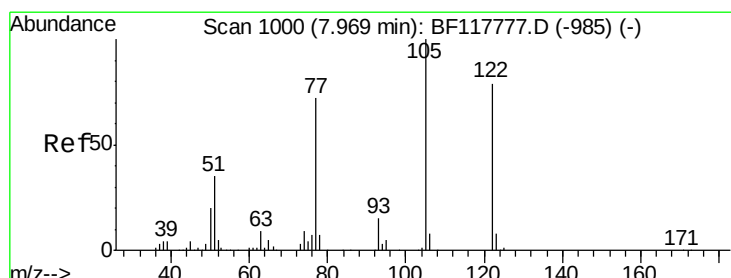
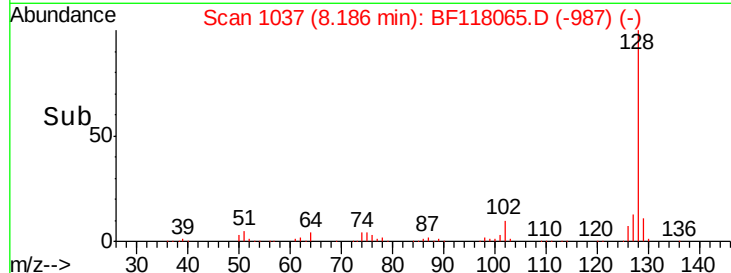
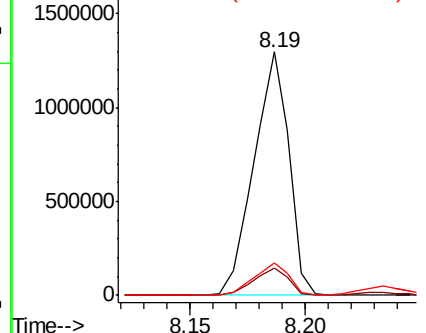


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 42.502 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

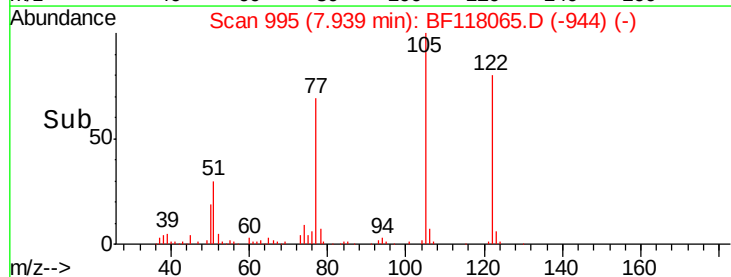
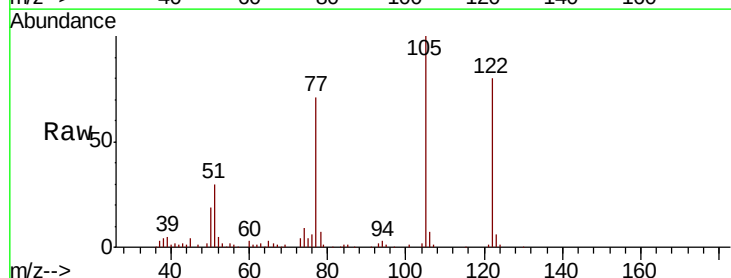
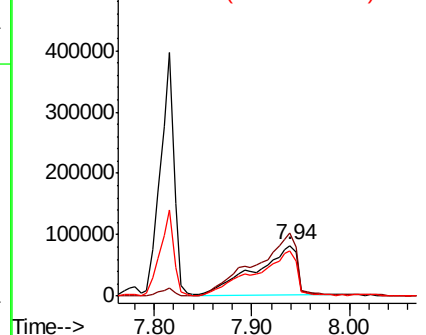
Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.0	101.4	141.4
77	88.3	66.4	106.4

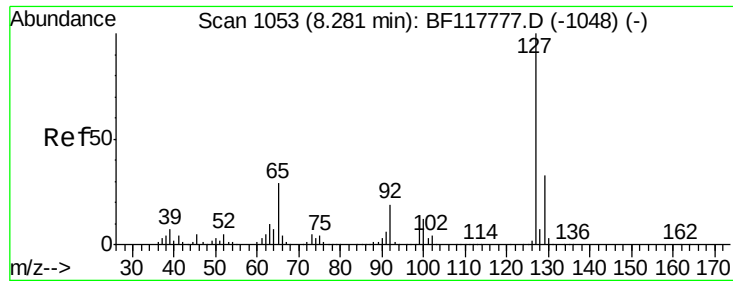
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





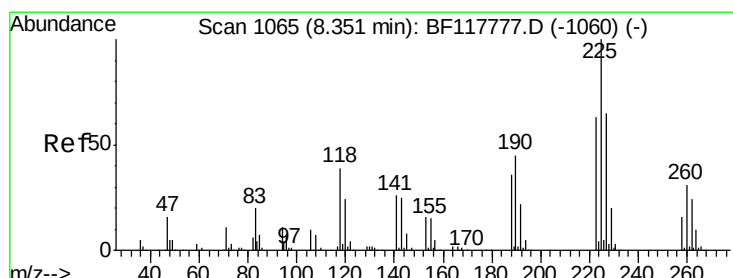
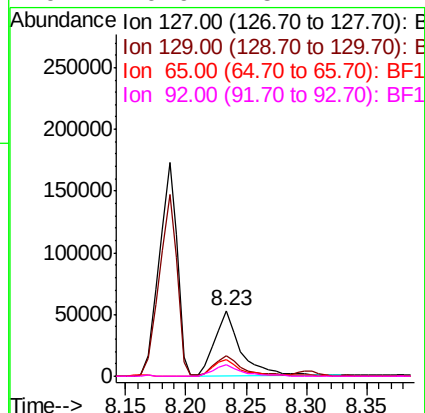
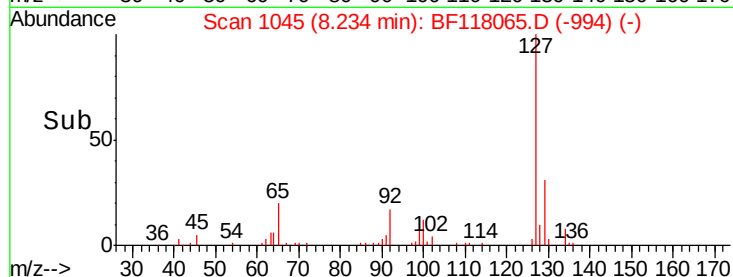
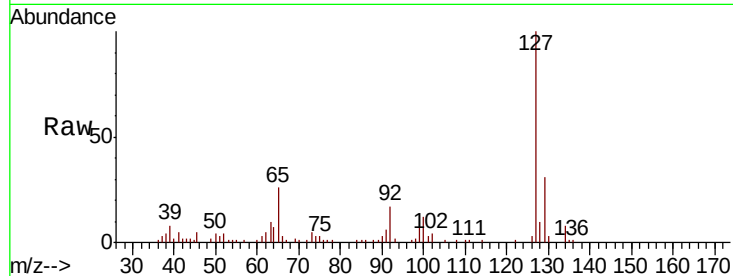
#33
4-Chloroaniline
Concen: 6.911 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.7	25.4	38.0		
65	25.6	23.4	35.0		
92	16.9	15.1	22.7		

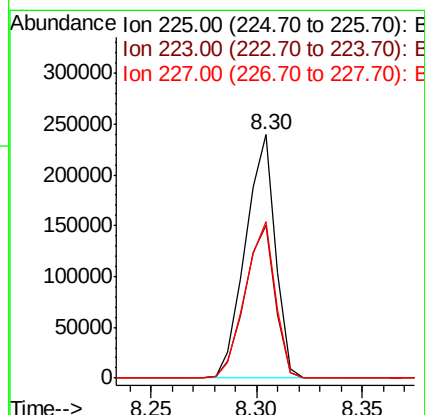
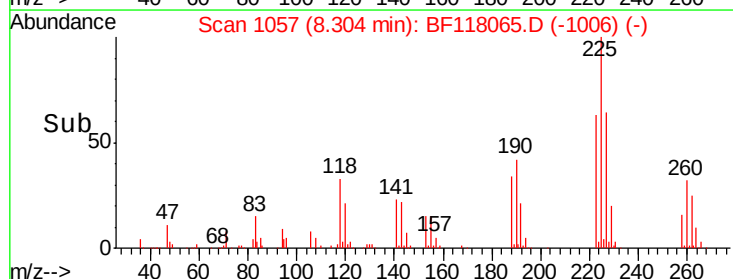
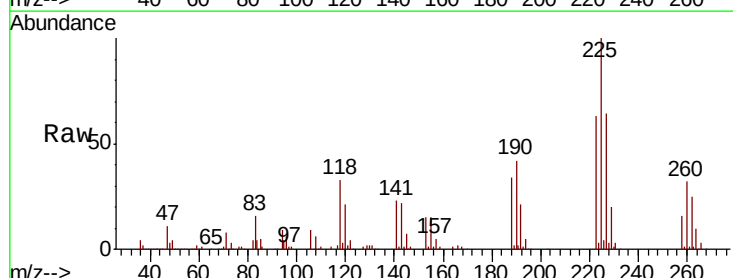
Manual Integrations
APPROVED

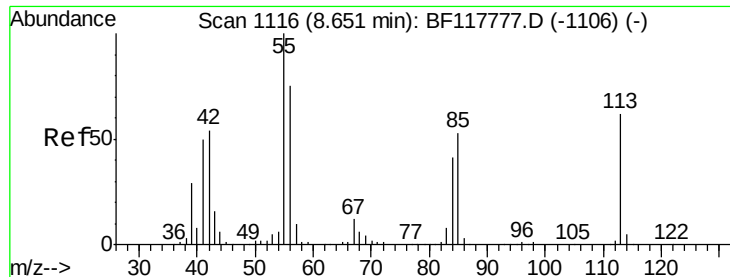
mohammad
12/4/2019 5:01:28 PM



#34
Hexachlorobutadiene
Concen: 45.814 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	51.4	77.2		
227	64.5	52.6	78.8		





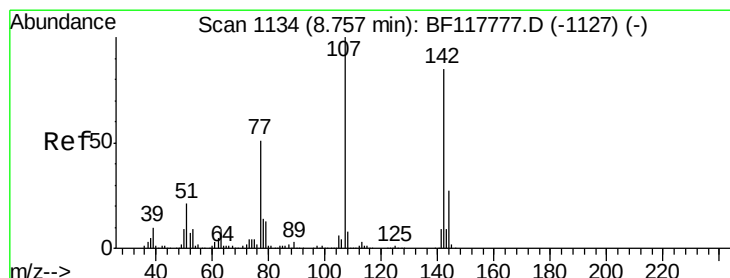
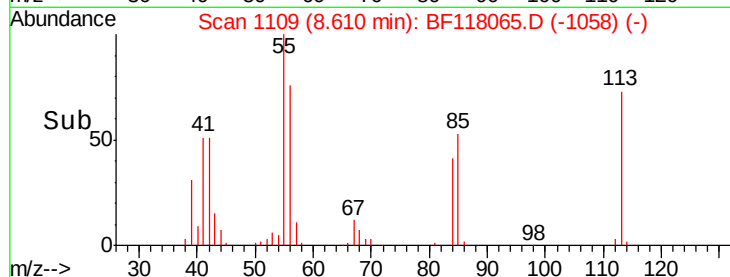
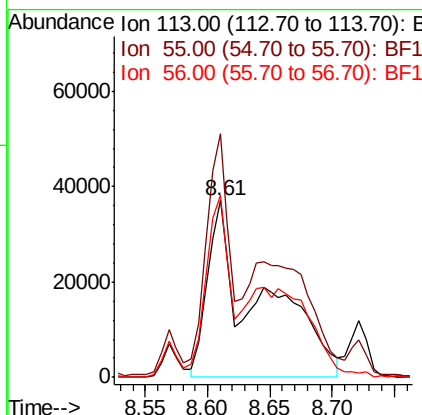
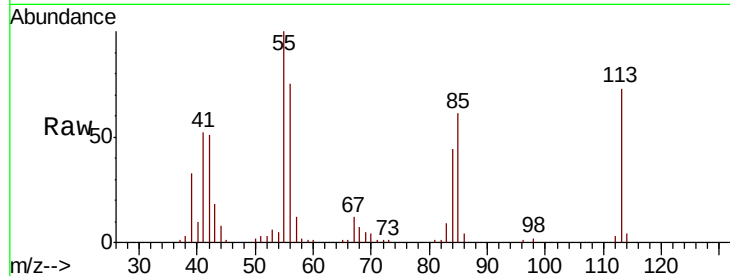
#35
Caprolactam
Concen: 45.234 ng/ml
RT: 8.61 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	137.7	125.5	165.5
56	103.1	88.0	128.0

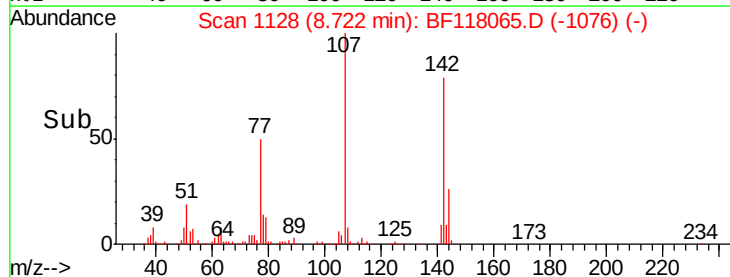
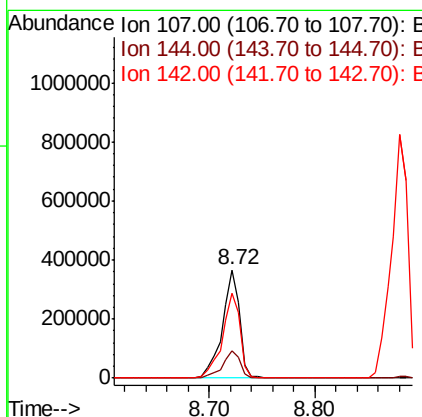
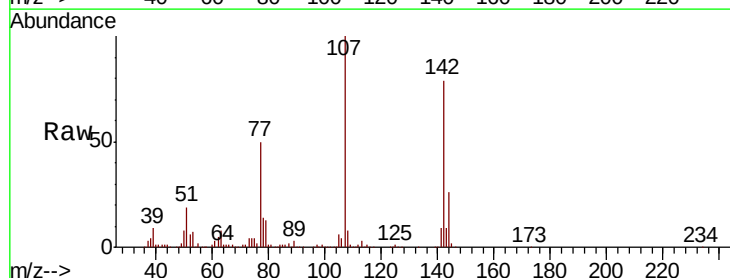
Manual Integrations
APPROVED

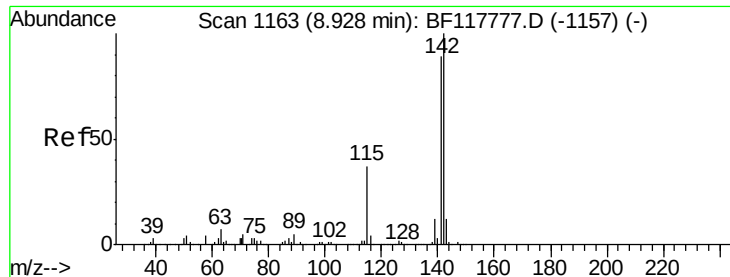
mohammad
12/4/2019 5:01:28 PM



#36
4-Chloro-3-methylphenol
Concen: 53.948 ng/ml
RT: 8.72 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.6	30.8
142	78.6	62.5	93.7





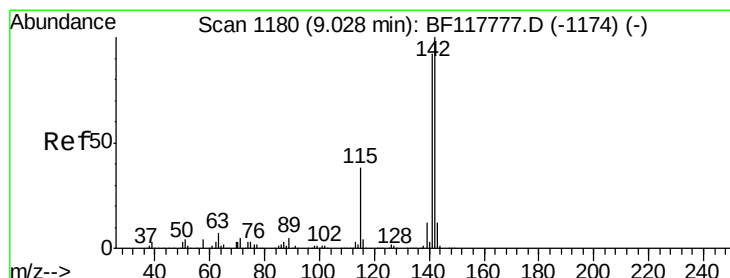
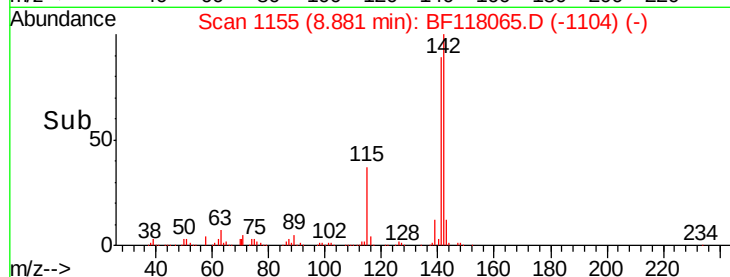
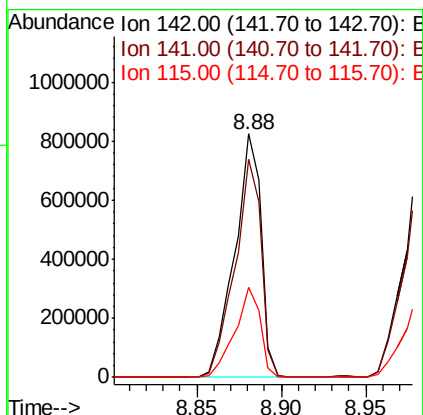
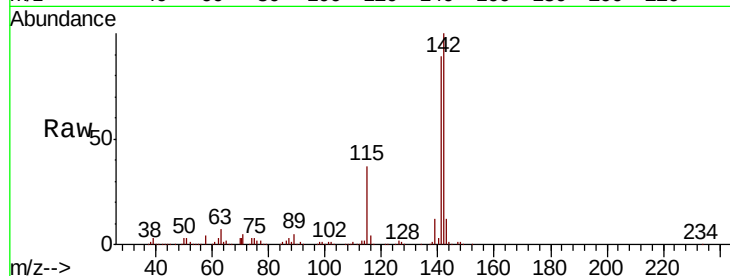
#37
2-Methylnaphthalene
Concen: 53.724 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.2	105.4
115	36.9	29.2	43.8

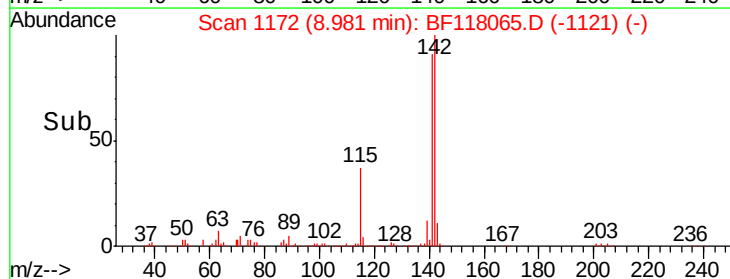
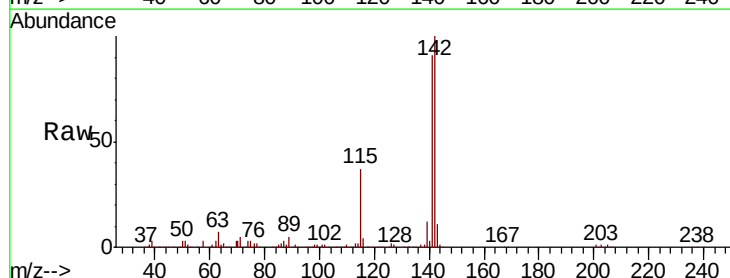
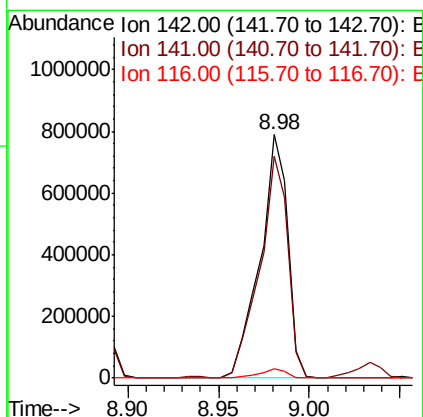
Manual Integrations
APPROVED

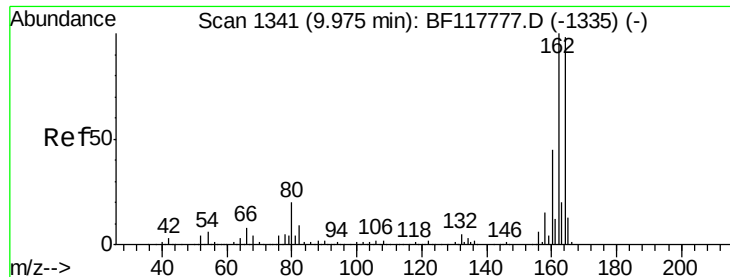
mohammad
12/4/2019 5:01:28 PM



#38
1-Methylnaphthalene
Concen: 52.872 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	4.0	3.1	4.7





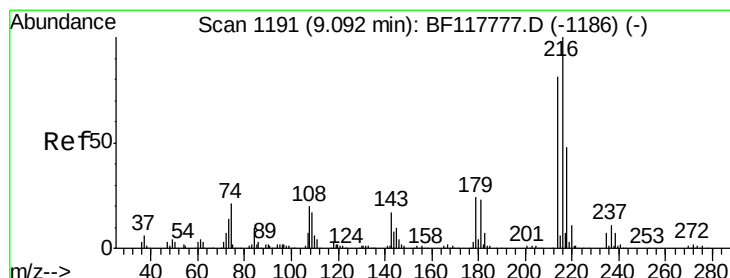
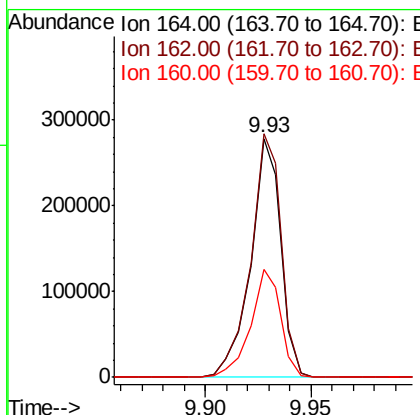
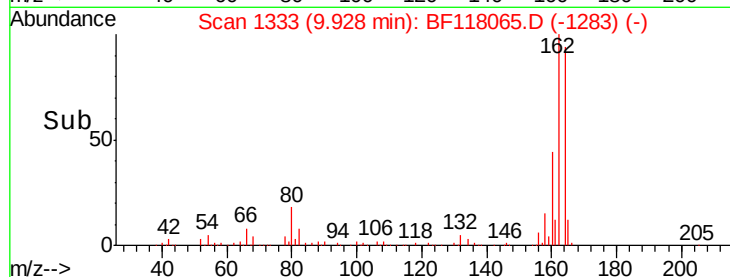
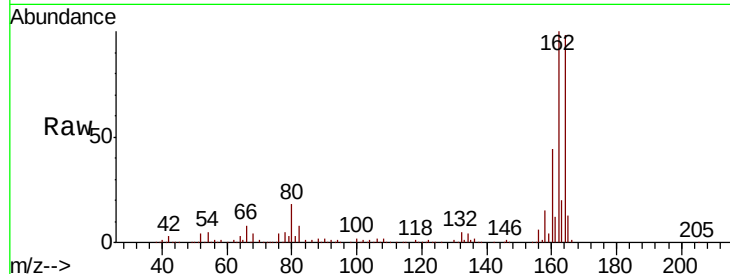
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.8
160	45.3	35.9	53.9

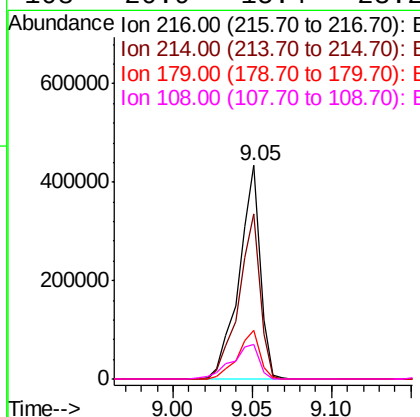
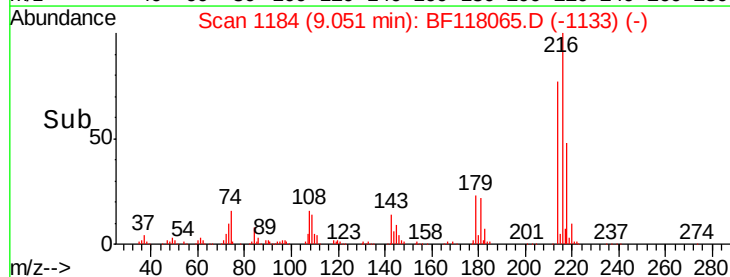
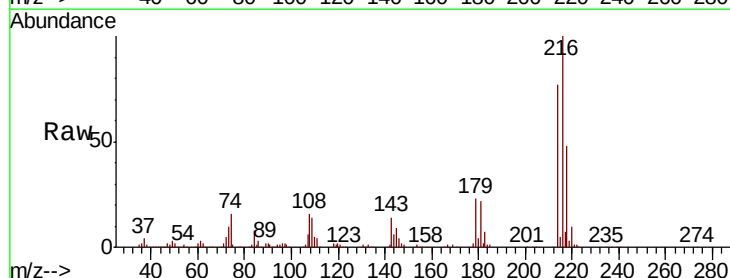
Manual Integrations
 APPROVED

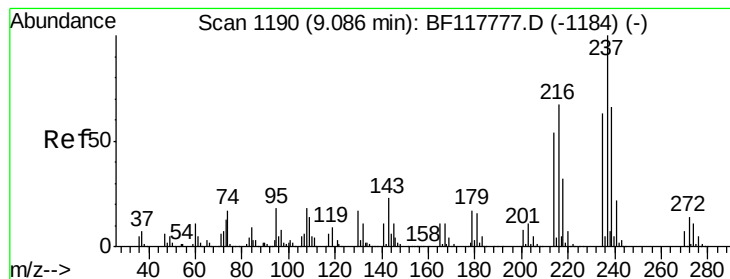
mohammad
 12/4/2019 5:01:28 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.894 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	23.3	18.5	27.7
108	20.9	15.4	23.2





#41

Hexachlorocyclopentadiene

Concen: 88.702 ng

RT: 9.03 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

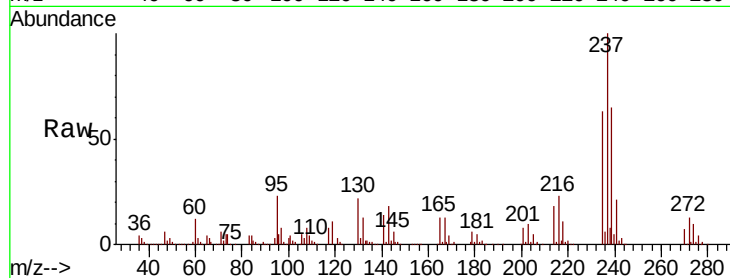
ClientSampleId :

TR-05-112619MSD

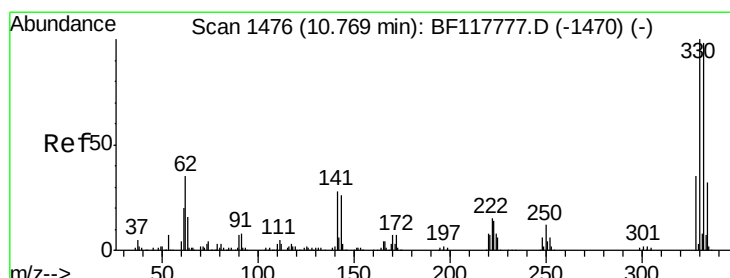
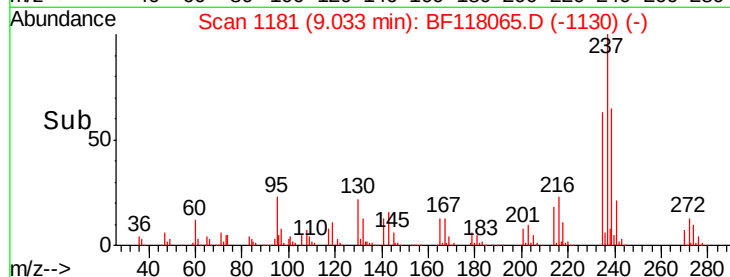
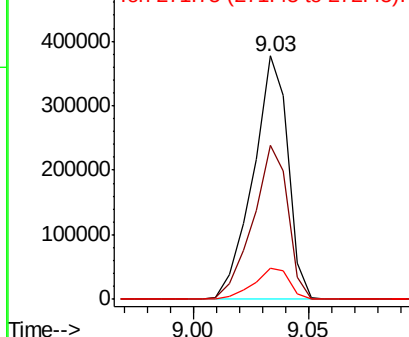
Tot Ion:	237	Resp:	398474
Ion Ratio	Lower	Upper	
237	100		
235	63.4	43.7	83.7
272	13.1	0.0	32.7

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



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: 171.346 ng

RT: 10.73 min Scan# 1469

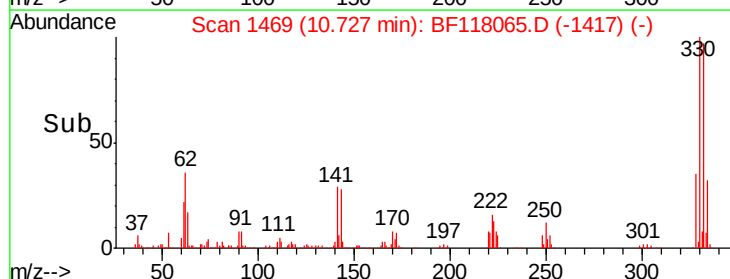
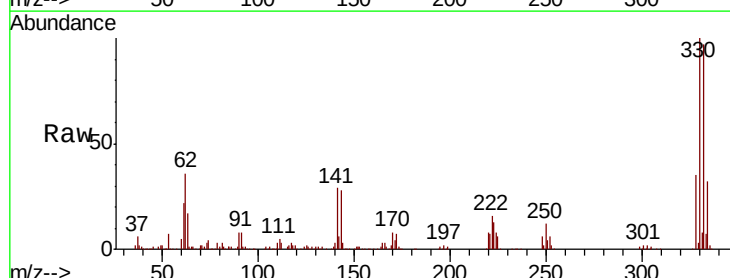
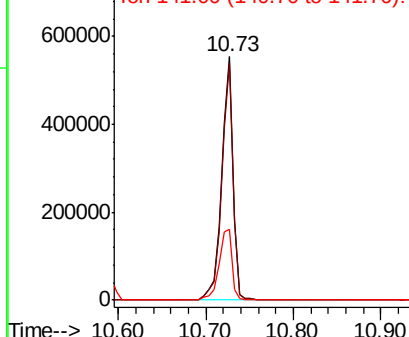
Delta R.T. 0.01 min

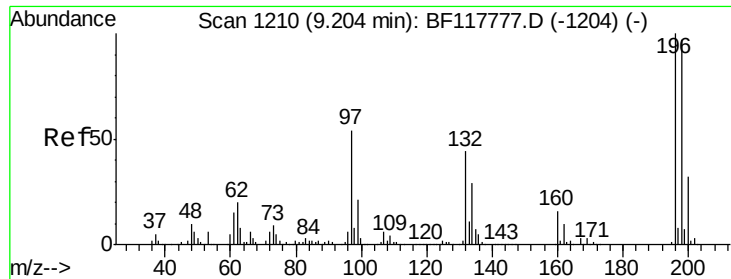
Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	330	Resp:	500725
Ion Ratio	Lower	Upper	
330	100		
332	96.7	78.3	117.5
141	33.4	26.4	39.6

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





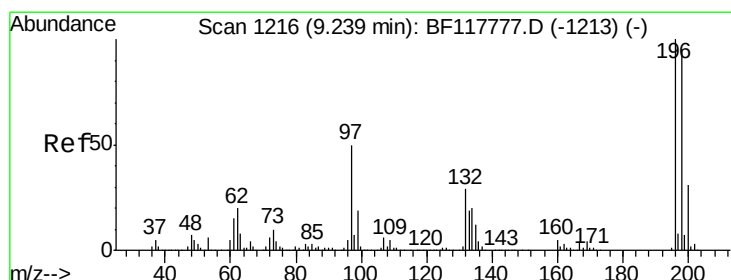
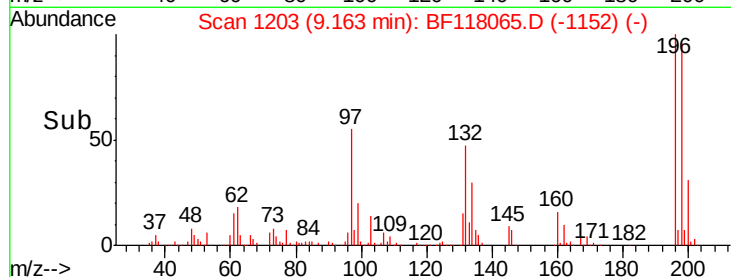
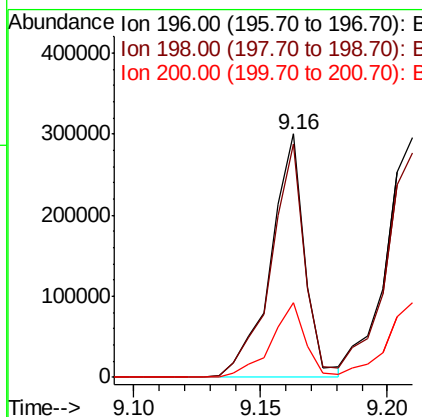
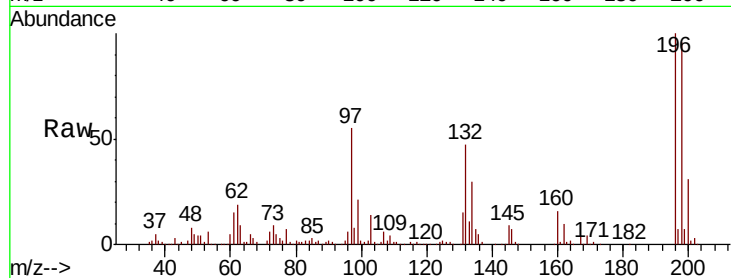
#43
 2,4,6-Trichlorophenol
 Concen: 49.291 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	283013		
198	95.9	76.9	115.3	
200	30.7	24.2	36.4	

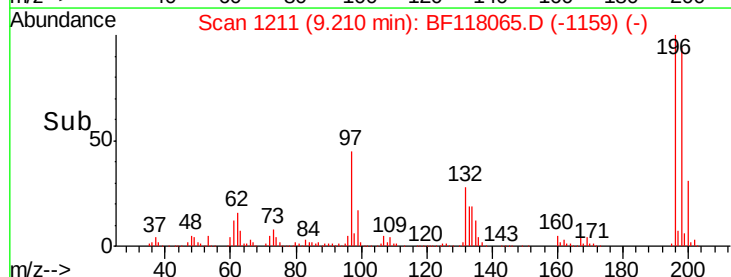
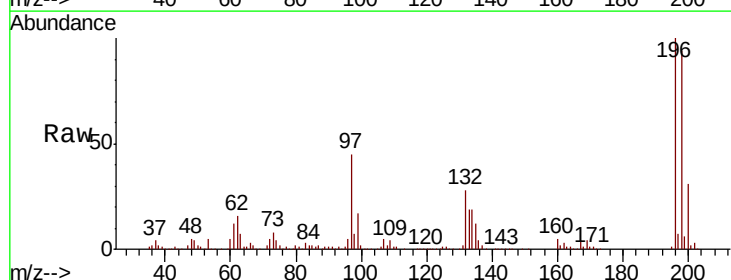
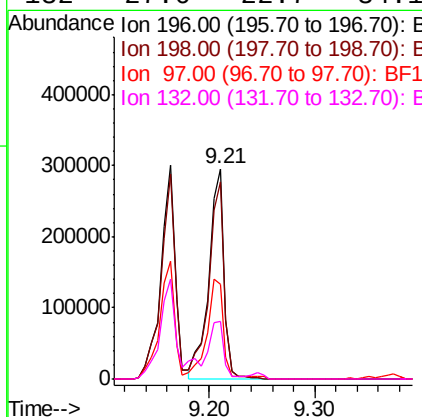
Manual Integrations
 APPROVED

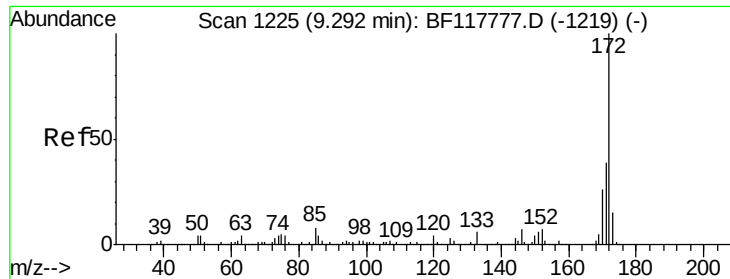
mohammad
 12/4/2019 5:01:28 PM



#44
 2,4,5-Trichlorophenol
 Concen: 50.687 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	302166		
198	93.8	78.1	117.1	
97	45.4	37.4	56.2	
132	27.6	22.7	34.1	





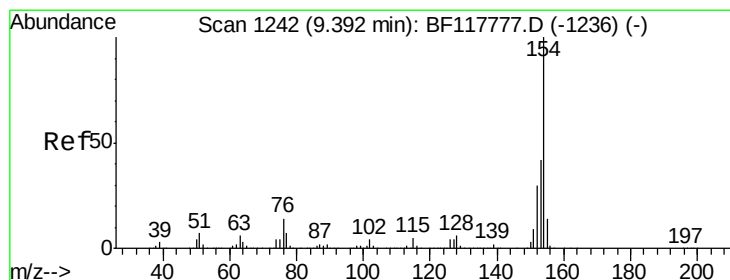
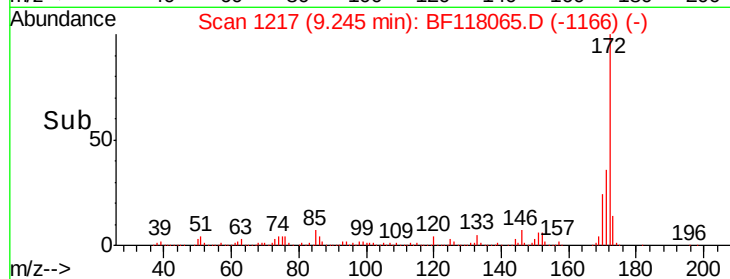
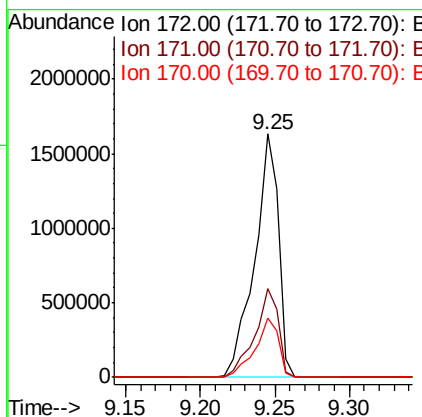
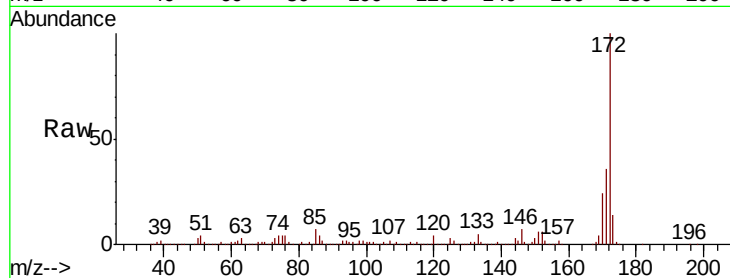
#45
2-Fluorobiphenyl
Concen: 116.271 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.2	43.8
170	24.4	19.3	28.9

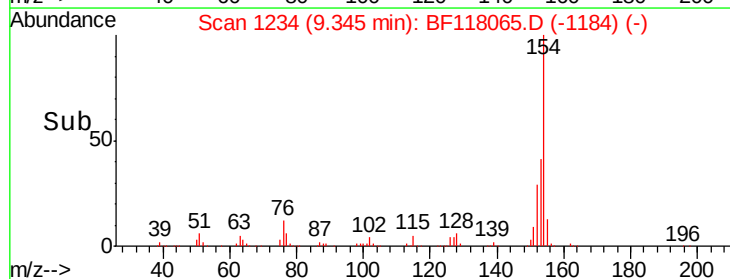
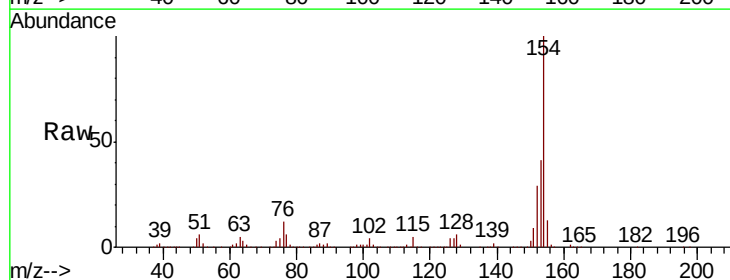
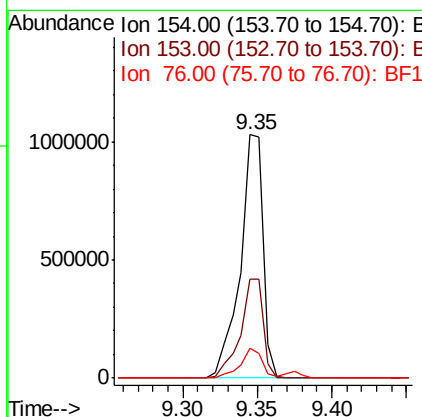
Manual Integrations
APPROVED

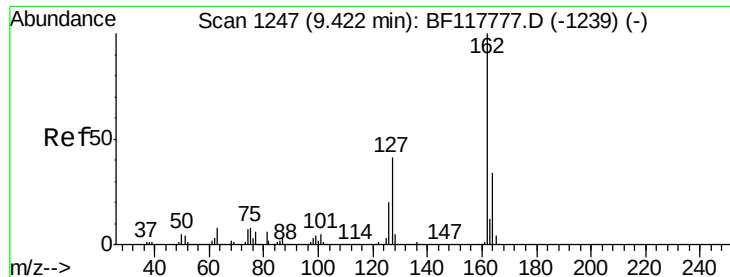
mohammad
12/4/2019 5:01:28 PM



#46
1,1'-Biphenyl
Concen: 53.191 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.1	61.1
76	12.2	0.0	30.8





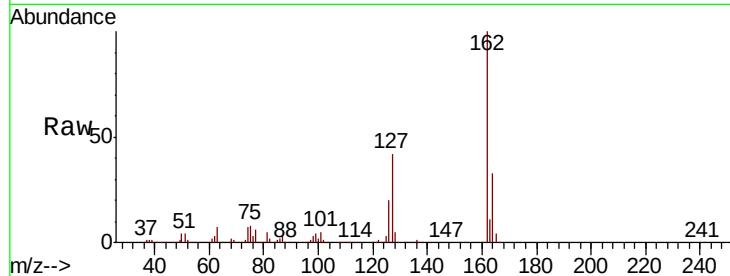
#47
2-Chloronaphthalene
Concen: 49.840 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	839656		
127	41.6		34.6	52.0
164	32.6		26.0	39.0

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM

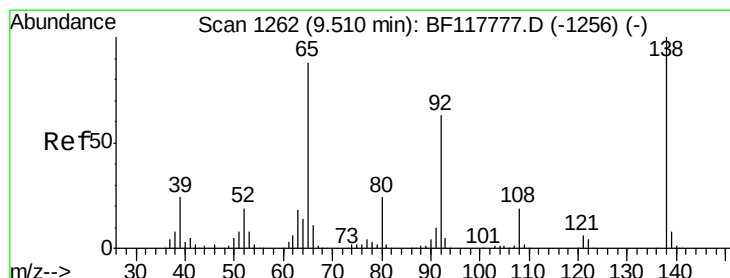
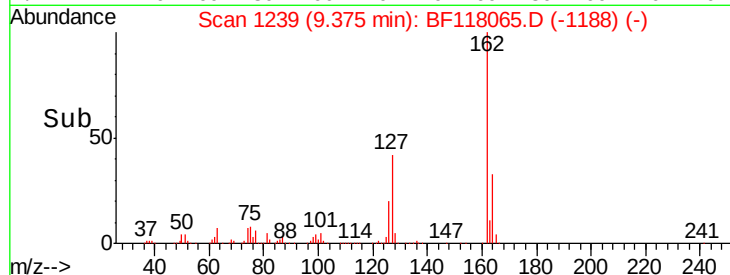
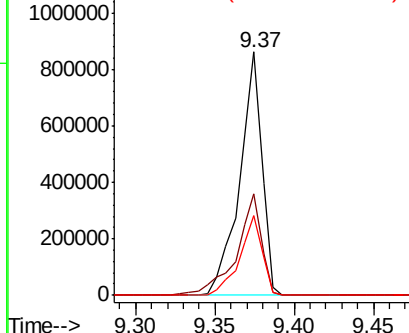


Abundance

Ion 162.00 (161.70 to 162.70): E

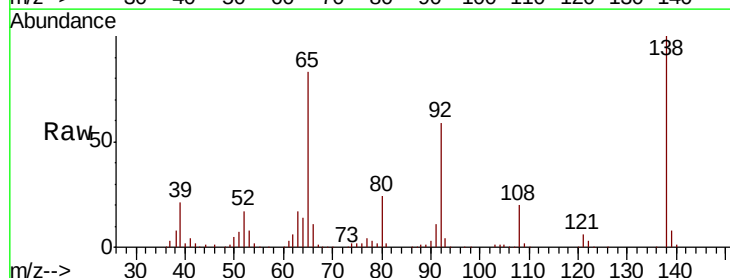
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 46.334 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	235662		
92	71.1		57.9	86.9
138	120.3		96.2	144.2

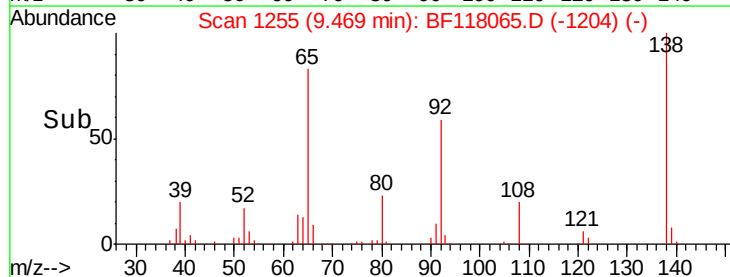
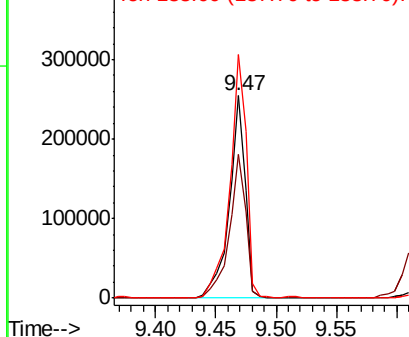


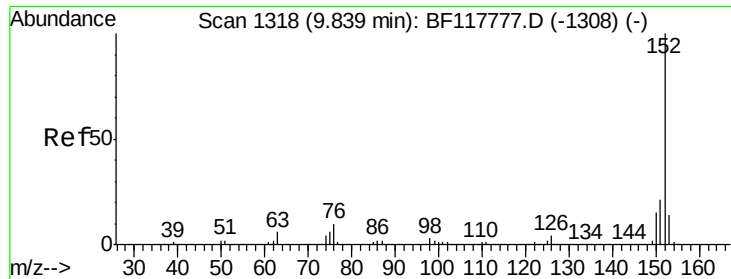
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 53.871 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion:152 Resp: 1323183

Ion Ratio Lower Upper

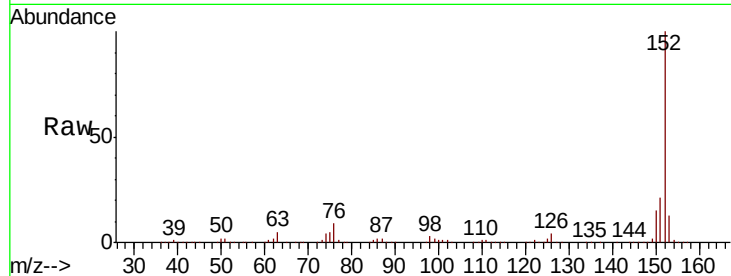
152 100

151 20.8 16.7 25.1

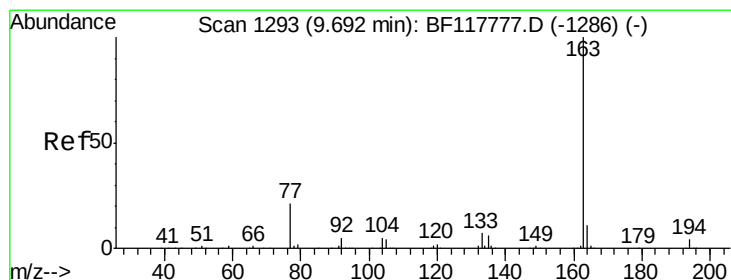
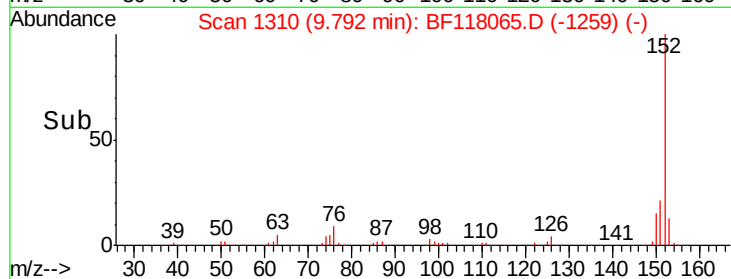
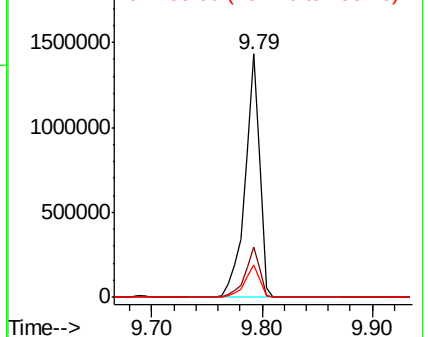
153 13.4 11.1 16.7

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.523 ng

RT: 9.65 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

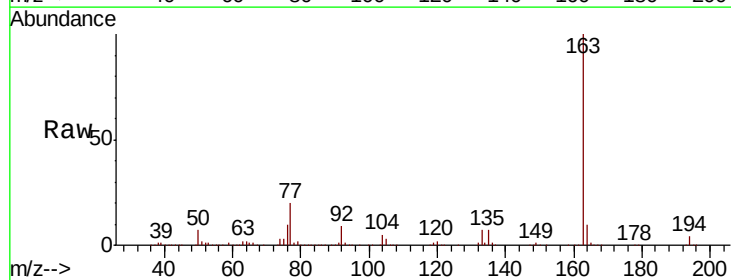
Tgt Ion:163 Resp: 977953

Ion Ratio Lower Upper

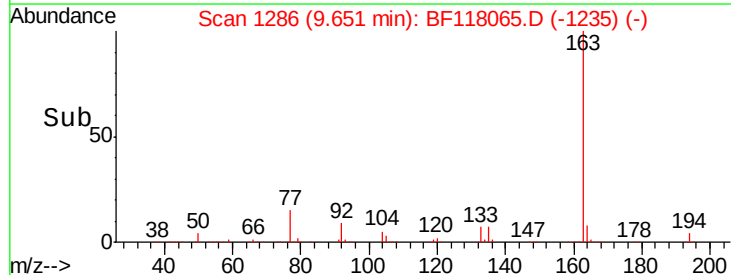
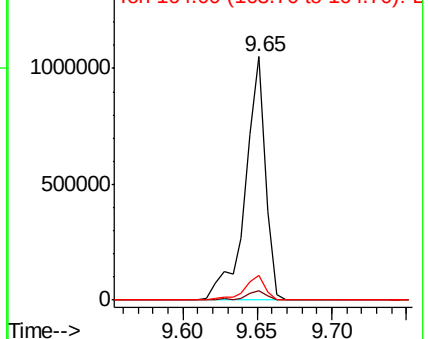
163 100

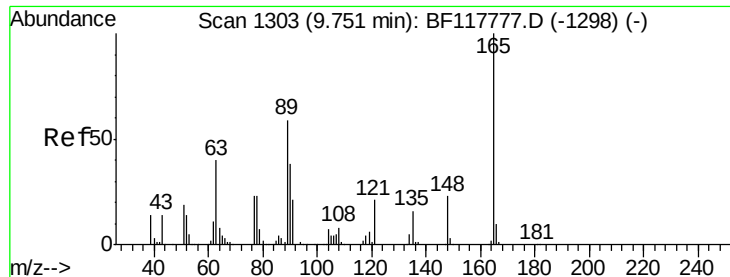
194 4.0 3.1 4.7

164 10.4 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





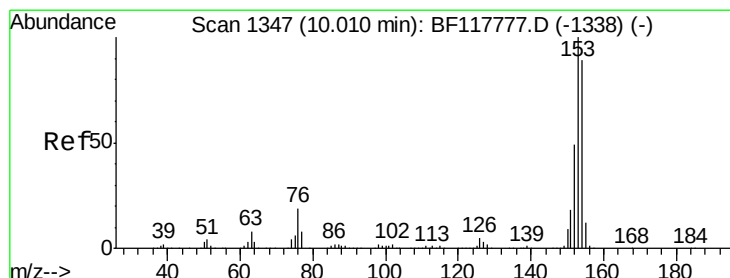
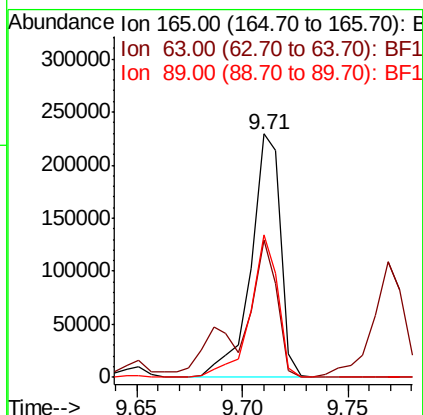
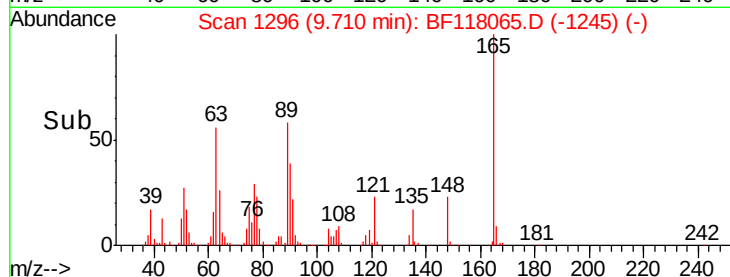
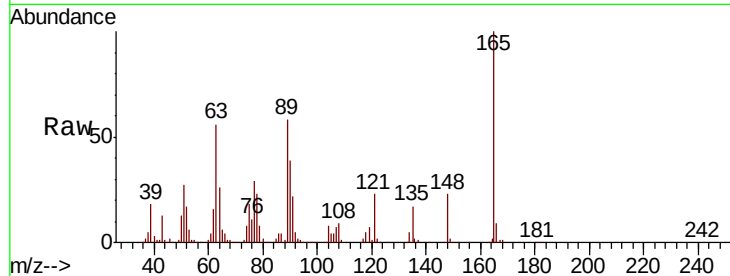
#51
2,6-Dinitrotoluene
Concen: 53.073 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	224520		
63	56.2	43.9	65.9	
89	58.3	45.5	68.3	

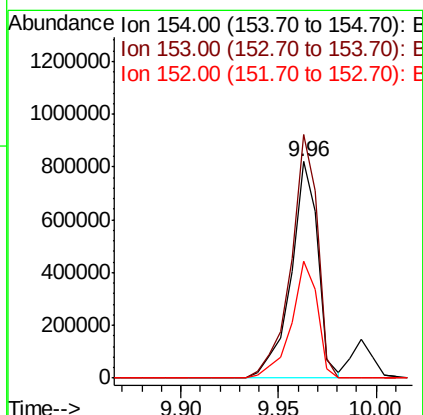
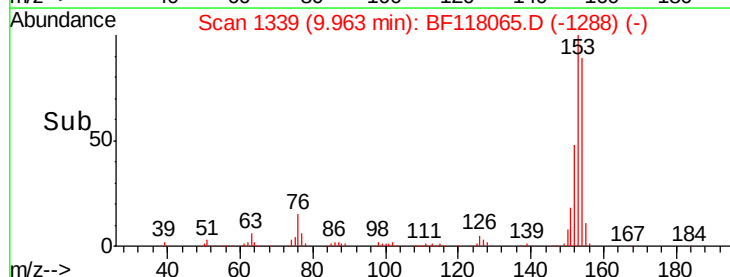
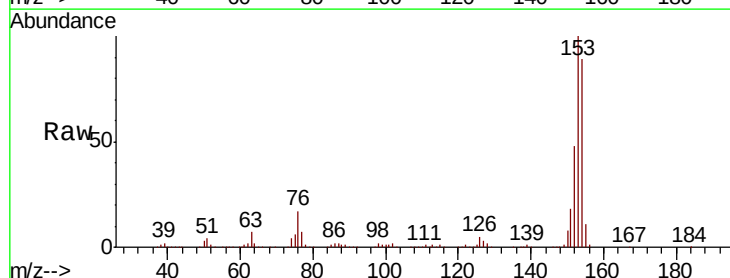
Manual Integrations
APPROVED

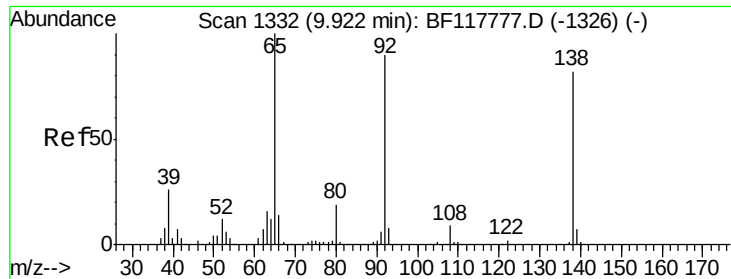
mohammad
12/4/2019 5:01:28 PM



#52
Acenaphthene
Concen: 49.624 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	780814		
153	112.4	91.2	136.8	
152	53.7	43.6	65.4	





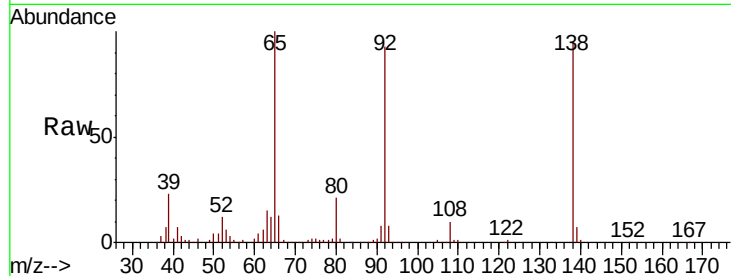
#53
3-Nitroaniline
Concen: 21.519 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.7	13.1
92	98.2	87.4	131.0

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM

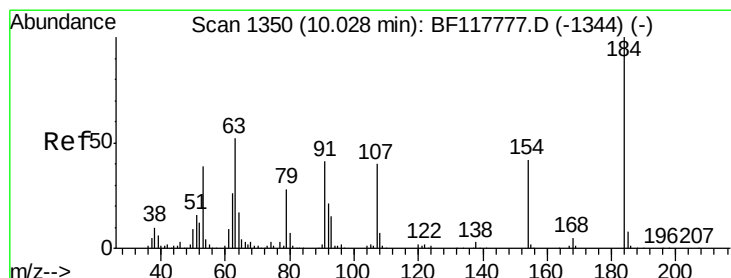
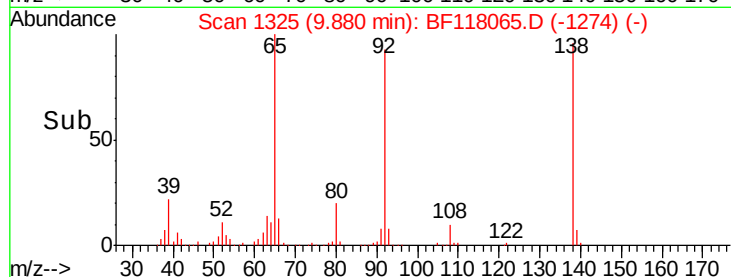
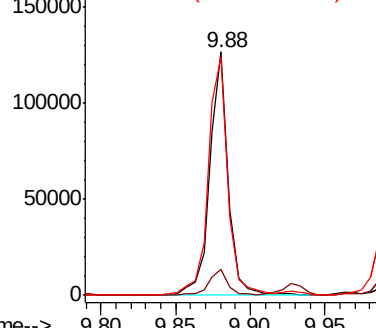


Abundance

Ion 138.00 (137.70 to 138.70): E

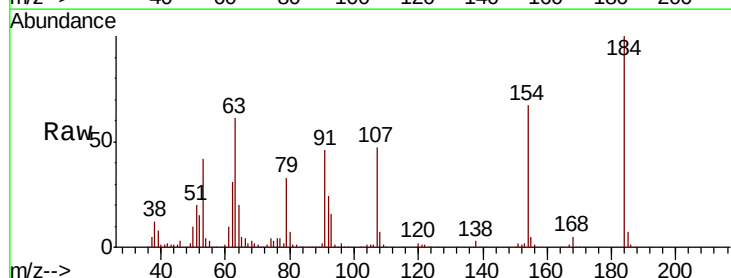
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 88.309 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.9	45.3	67.9
154	66.9	51.6	77.4

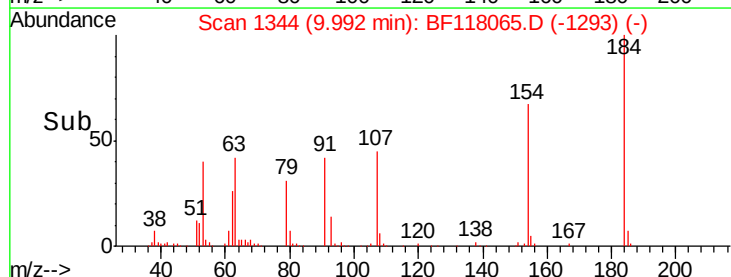
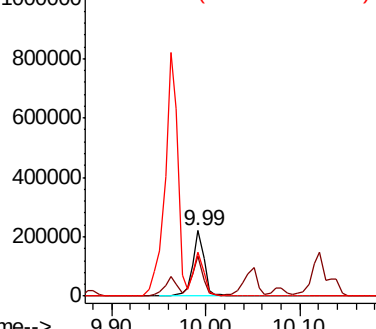


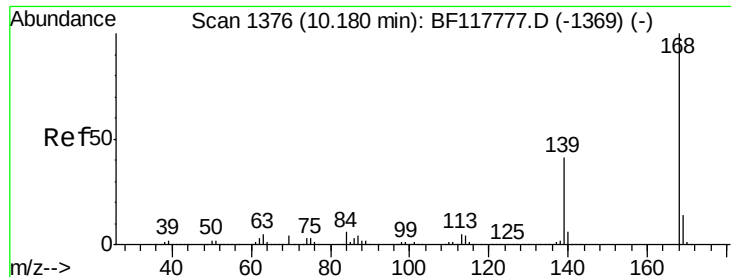
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





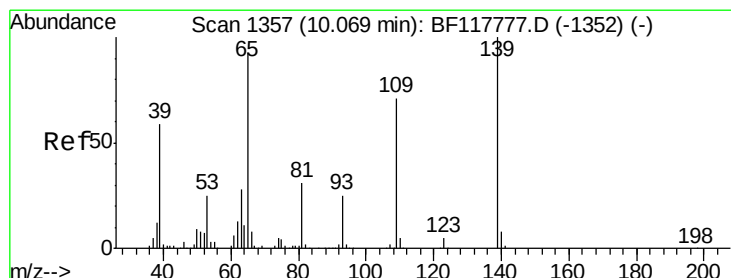
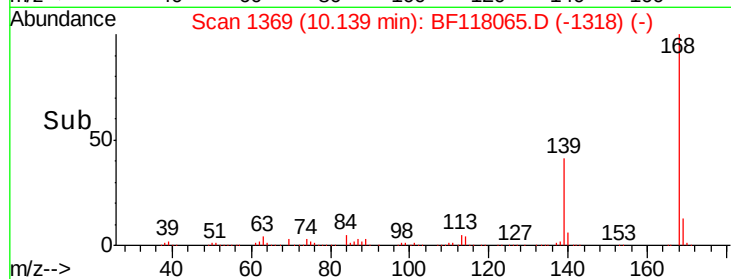
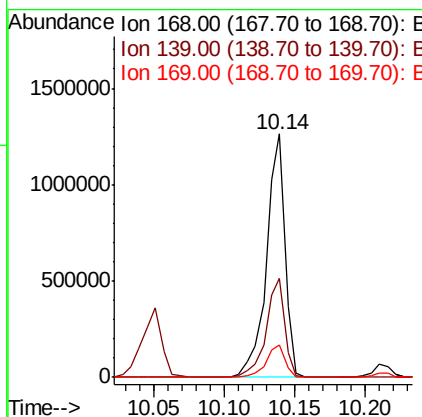
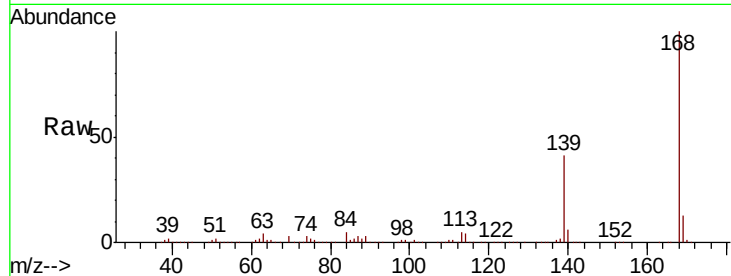
#55
Dibenzenofuran
Concen: 53.798 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion:168 Resp: 1172169
Ion Ratio Lower Upper
168 100
139 40.5 32.5 48.7
169 13.3 10.8 16.2

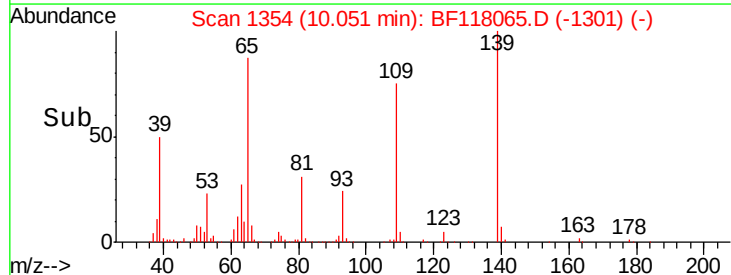
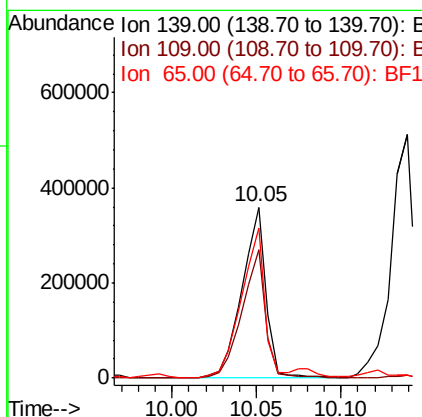
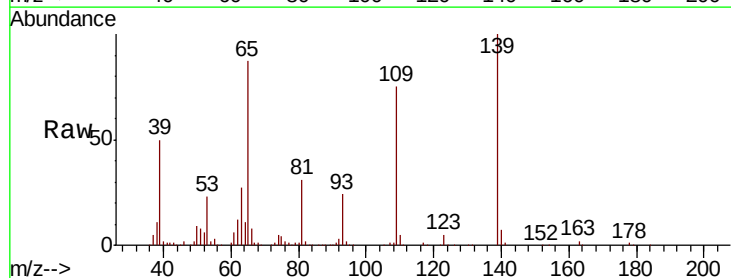
Manual Integrations
APPROVED

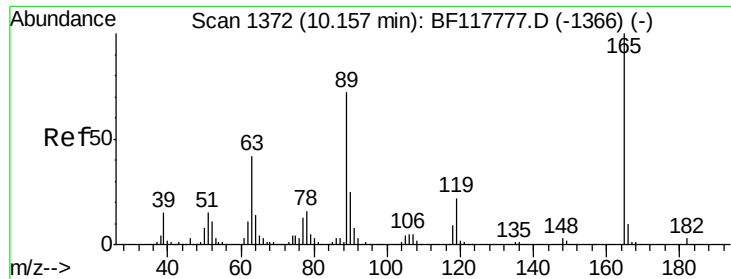
mohammad
12/4/2019 5:01:28 PM



#56
4-Nitrophenol
Concen: 95.141 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion:139 Resp: 359486
Ion Ratio Lower Upper
139 100
109 74.7 55.2 95.2
65 87.4 68.7 108.7





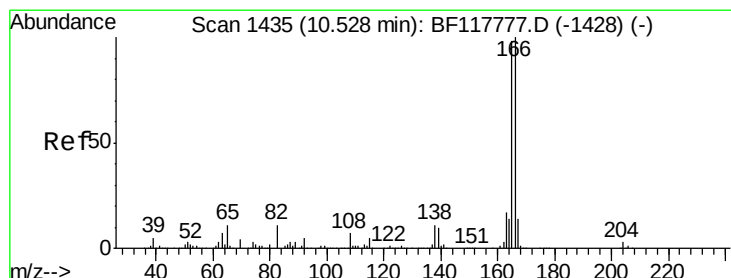
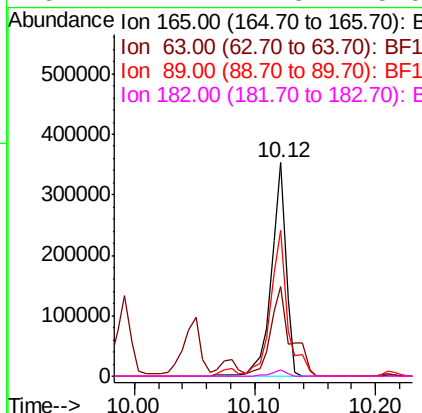
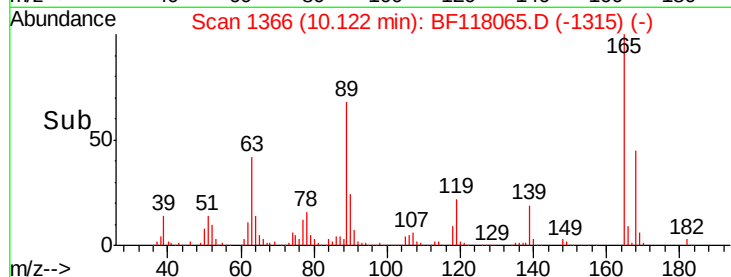
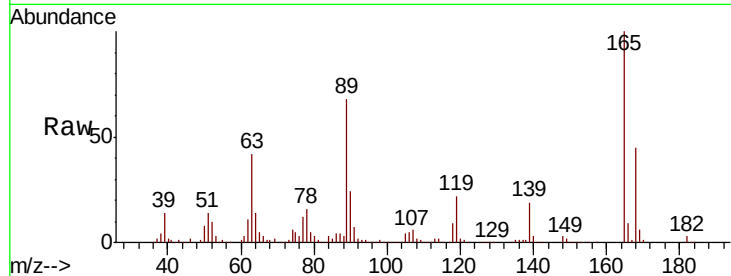
#57
2,4-Dinitrotoluene
Concen: 56.111 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	42.2	26.5	39.7#
89	68.3	47.2	70.8
182	2.7	2.3	3.5

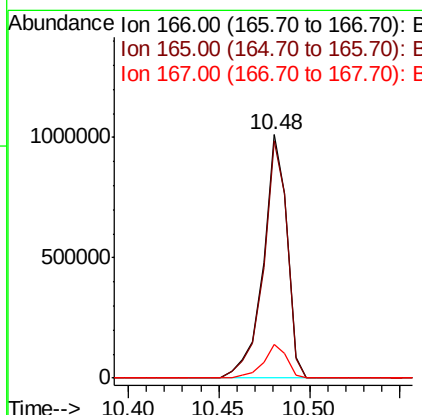
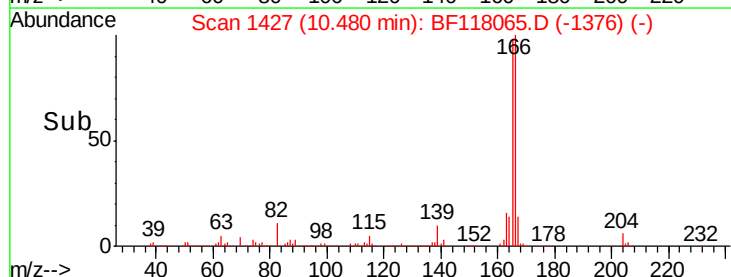
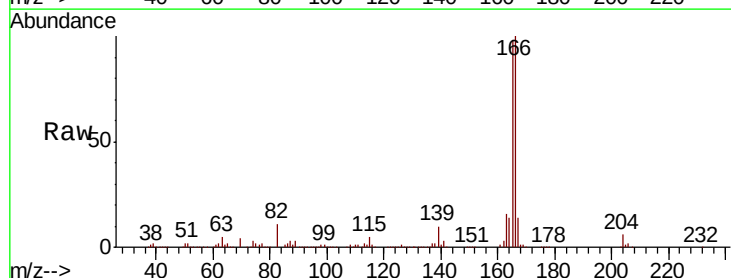
Manual Integrations
APPROVED

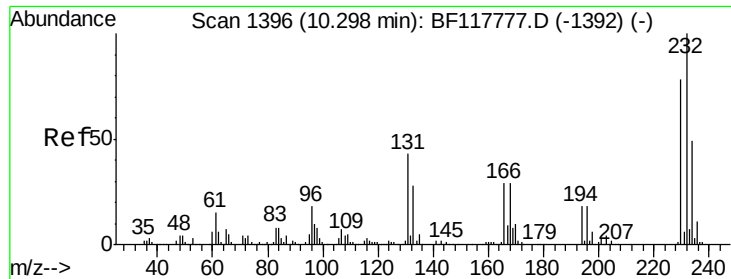
mohammad
12/4/2019 5:01:28 PM



#58
Fluorene
Concen: 54.539 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.4	116.2
167	13.6	10.7	16.1





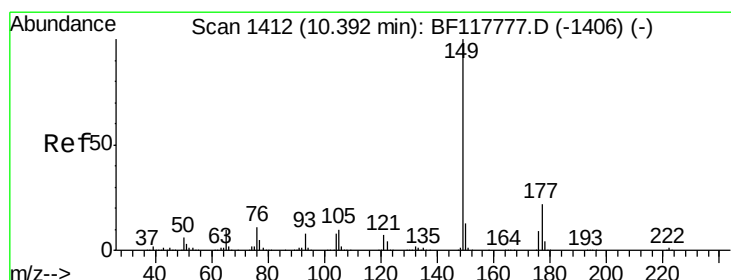
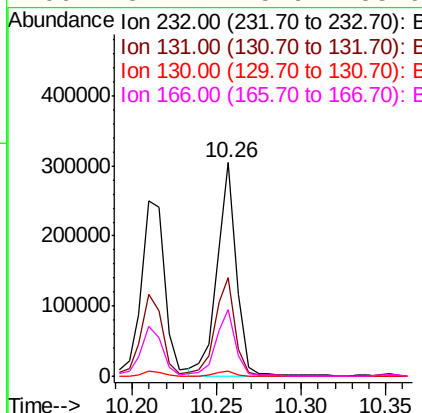
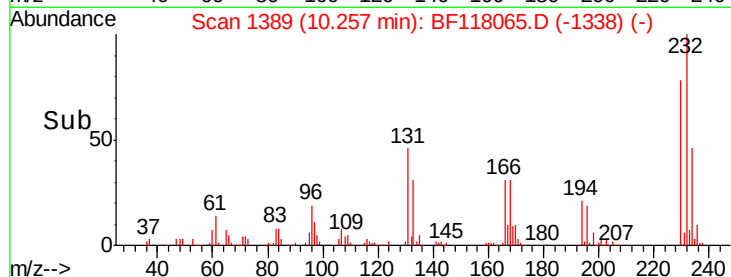
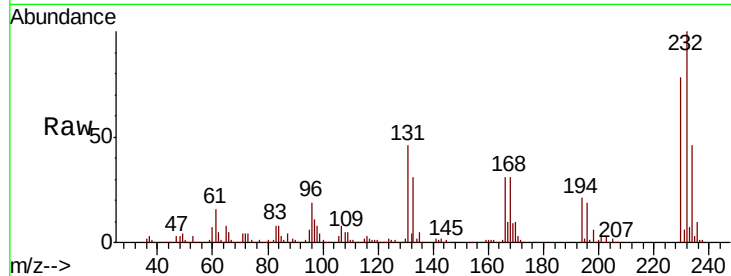
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.003 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	244925		
131	48.7		38.8	58.2
130	2.5		1.9	2.9
166	32.1		25.9	38.9

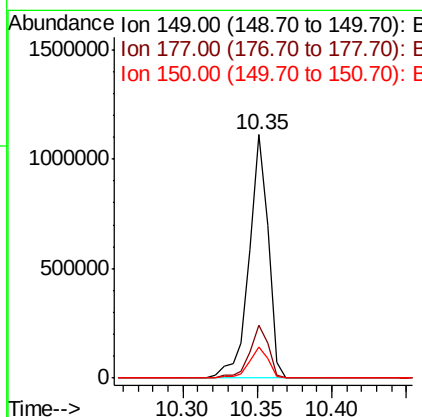
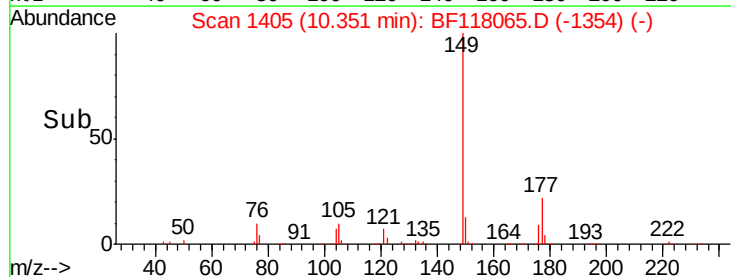
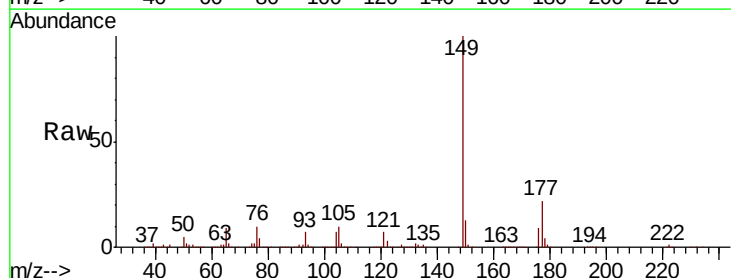
Manual Integrations
APPROVED

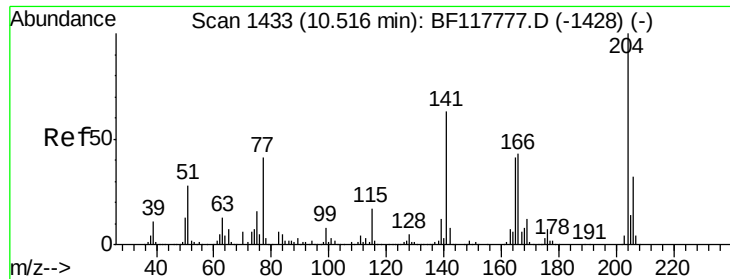
mohammad
12/4/2019 5:01:28 PM



#60
Diethylphthalate
Concen: 51.776 ng
RT: 10.35 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	977081		
177	21.8		17.6	26.4
150	12.9		9.8	14.8





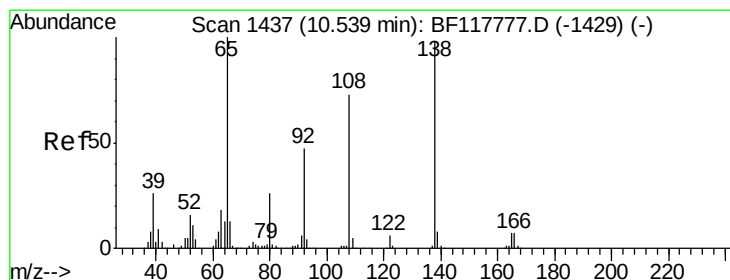
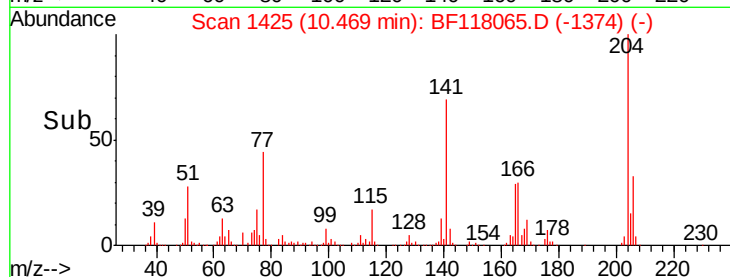
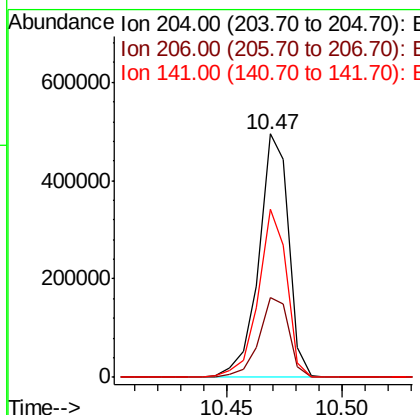
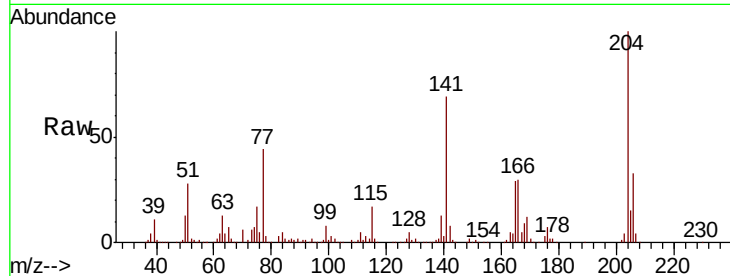
#61
4-Chlorophenyl-phenylether
Concen: 52.052 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	69.1	55.1	82.7

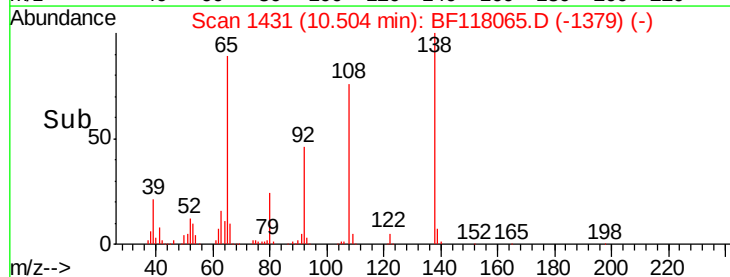
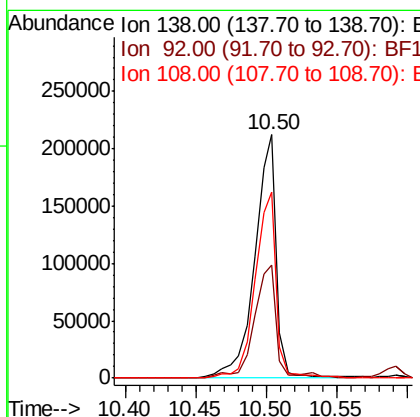
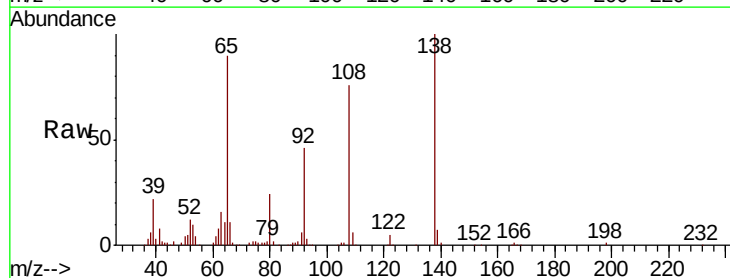
Manual Integrations
APPROVED

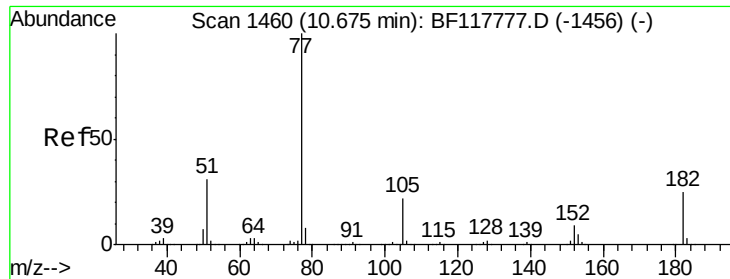
mohammad
12/4/2019 5:01:28 PM



#62
4-Nitroaniline
Concen: 45.099 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.2	27.5	67.5
108	76.3	57.9	97.9





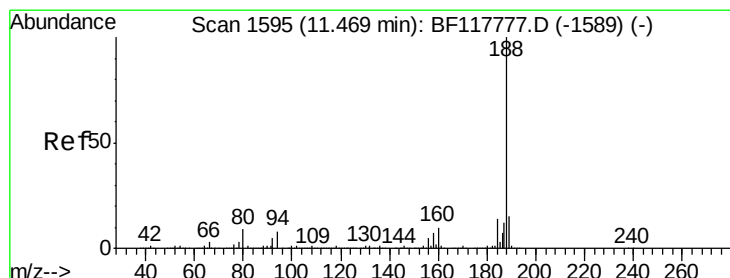
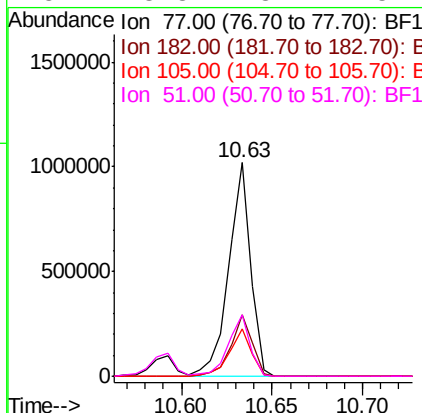
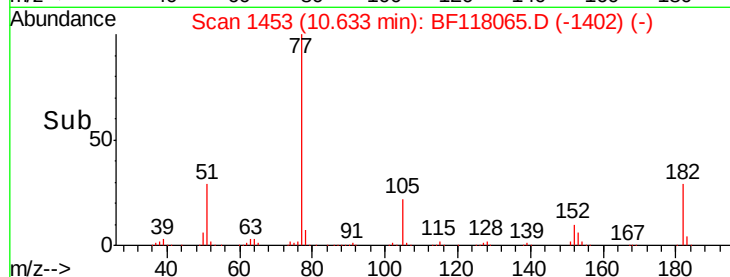
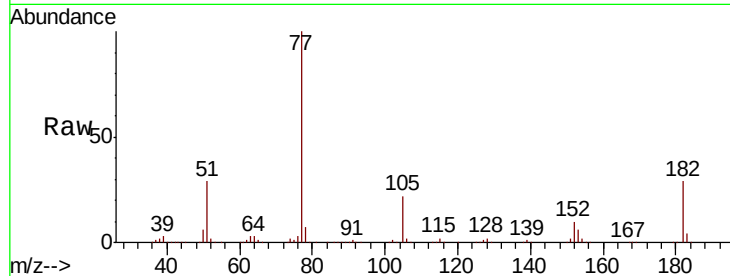
#63
Azobenzene
Concen: 50.113 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.2	48.2
105	22.4	2.1	42.1
51	28.8	8.7	48.7

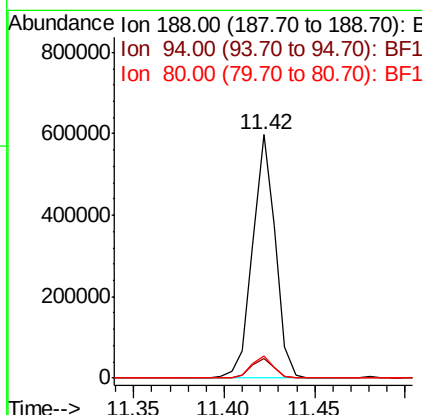
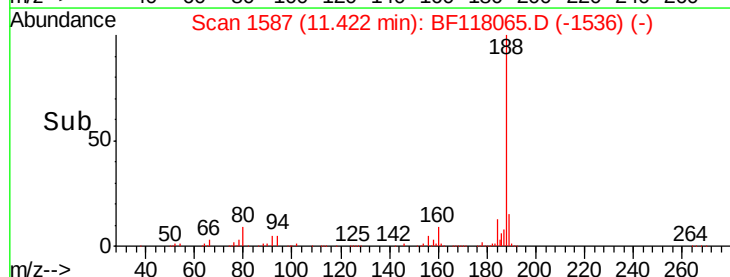
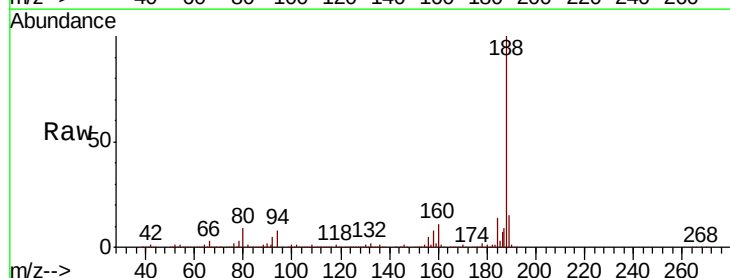
Manual Integrations
APPROVED

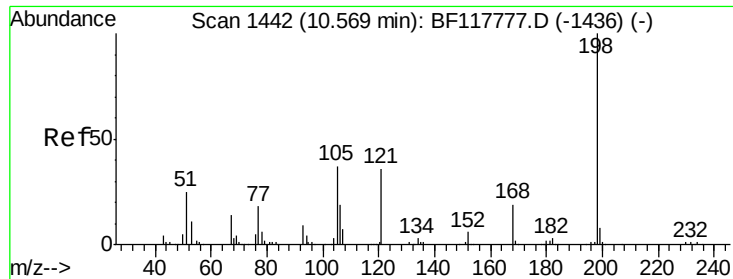
mohammad
12/4/2019 5:01:28 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.0	7.2	10.8





#65

4,6-Dinitro-2-methylphenol

Concen: 59.189 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

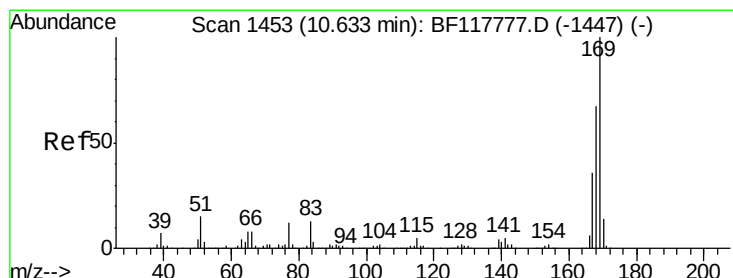
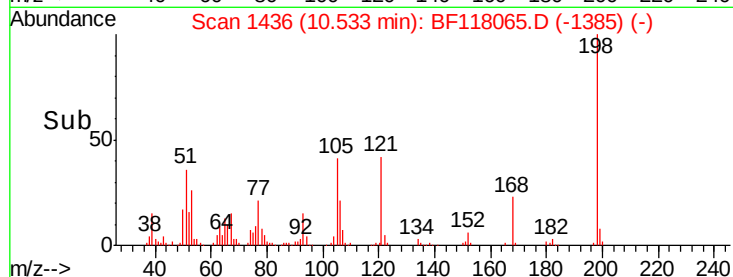
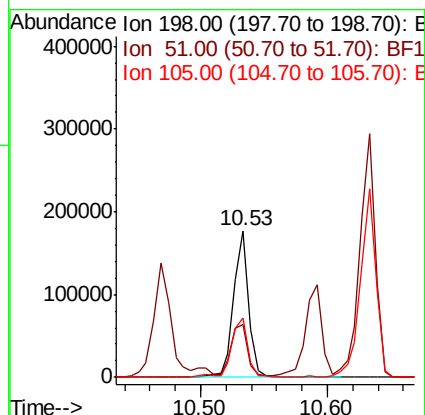
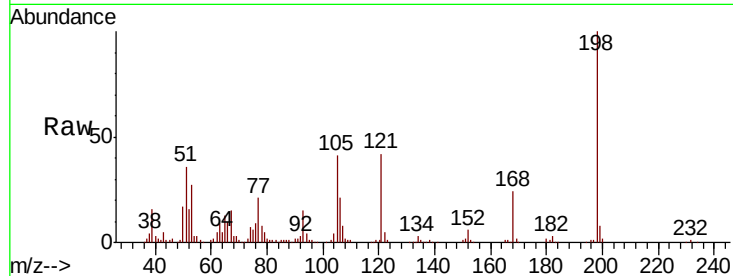
ClientSampleId :

TR-05-112619MSD

Tot Ion:	198	Resp:	143769
Ion Ratio	Lower	Upper	
198	100		
51	35.9	12.6	52.6
105	40.5	17.0	57.0

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



#66

n-Nitrosodiphenylamine

Concen: 53.900 ng

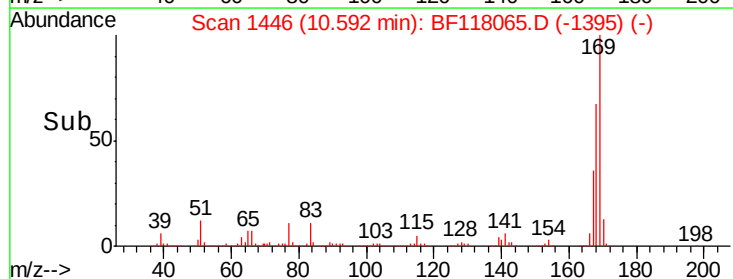
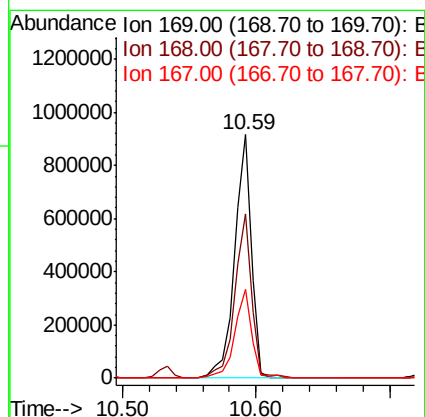
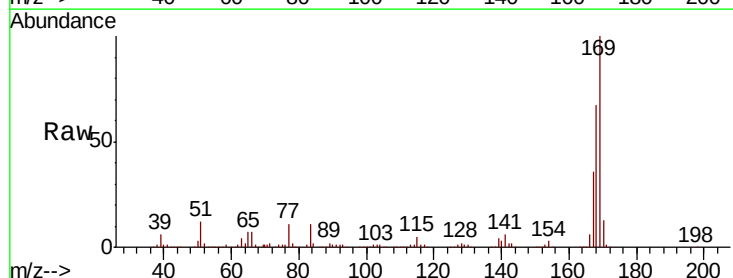
RT: 10.59 min Scan# 1446

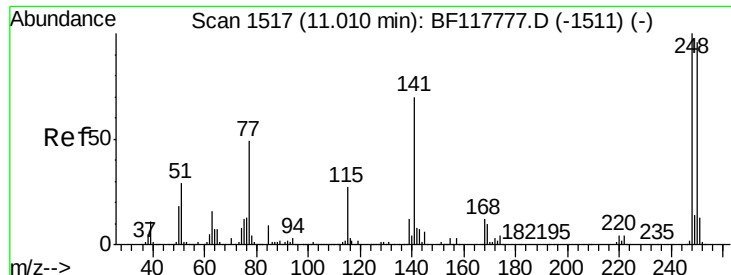
Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	169	Resp:	816176
Ion Ratio	Lower	Upper	
169	100		
168	67.2	52.5	78.7
167	36.4	28.4	42.6





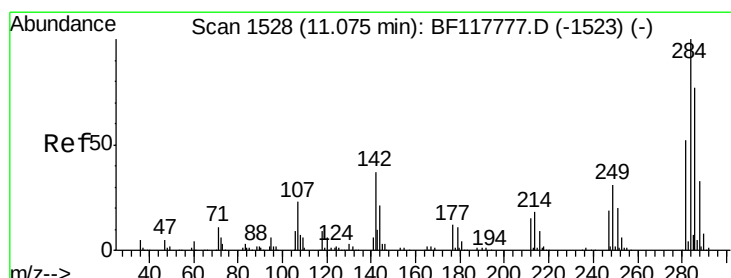
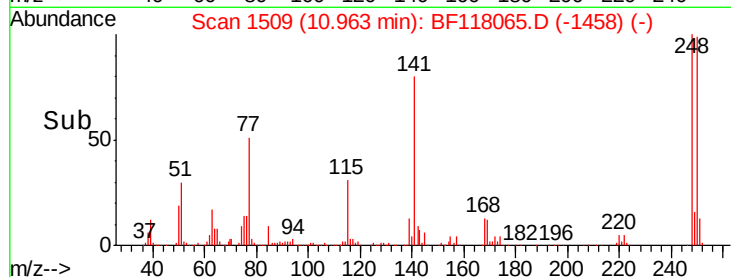
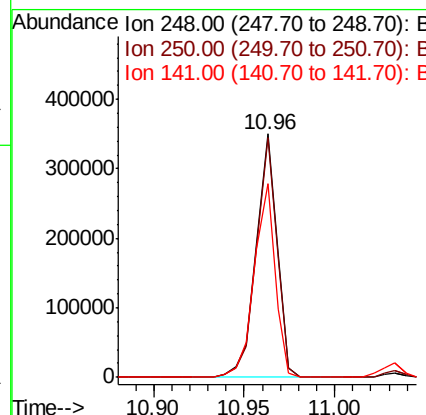
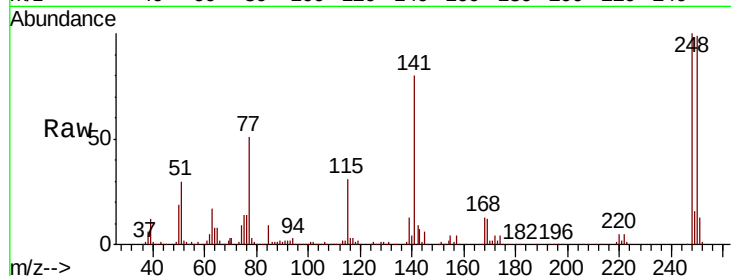
#67
4-Bromophenyl-phenylether
Concen: 50.342 ng
RT: 10.96 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.0	117.0
141	79.7	64.0	96.0

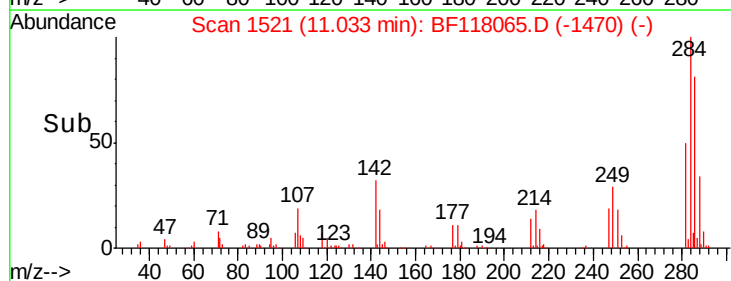
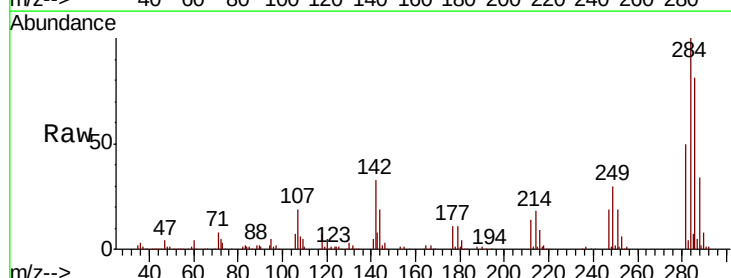
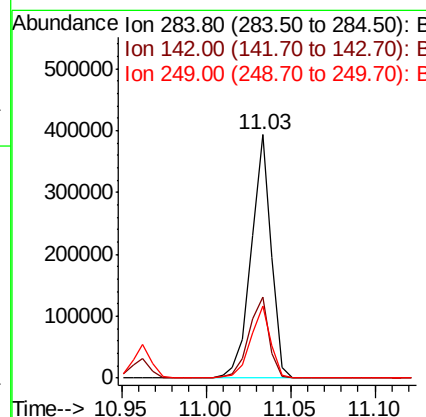
Manual Integrations
APPROVED

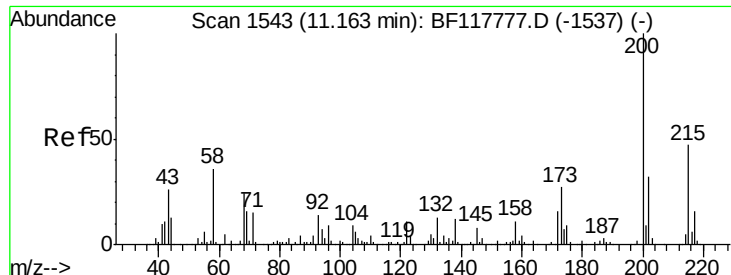
mohammad
12/4/2019 5:01:28 PM



#68
Hexachlorobenzene
Concen: 49.859 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.3	40.9
249	29.7	24.8	37.2





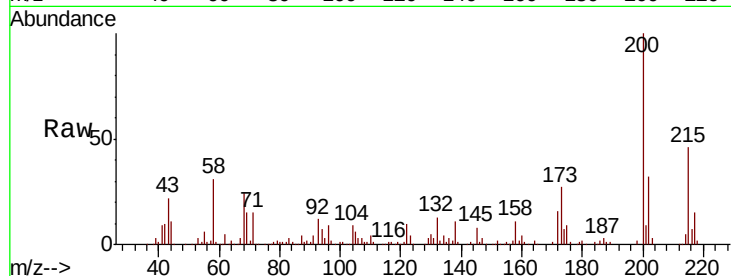
#69
 Atrazine
 Concen: 48.262 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

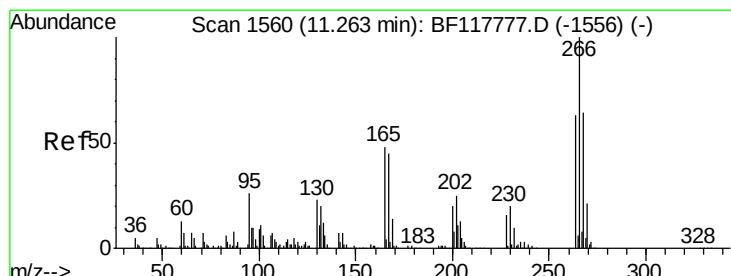
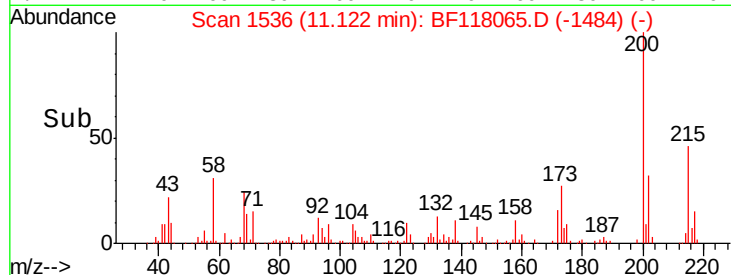
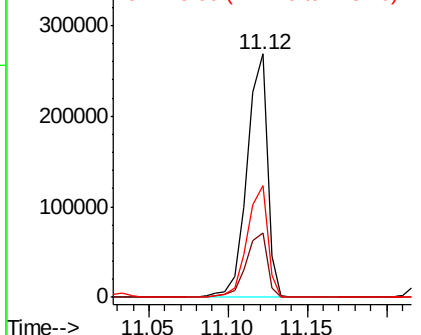
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.9	47.9
215	46.0	27.0	67.0

Manual Integrations
 APPROVED

mohammad
 12/4/2019 5:01:28 PM

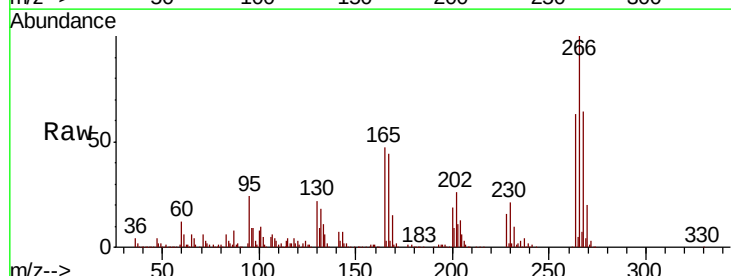


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

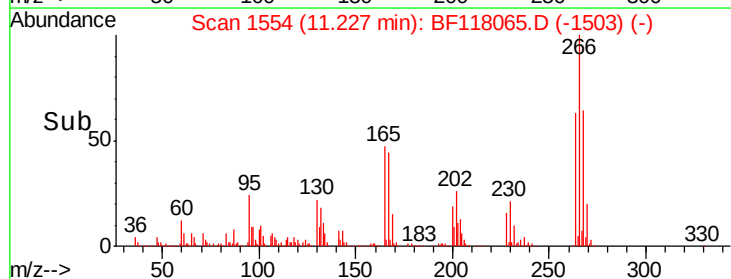
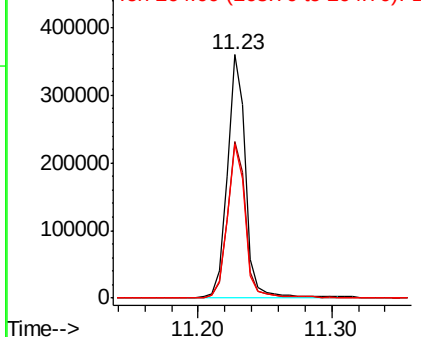


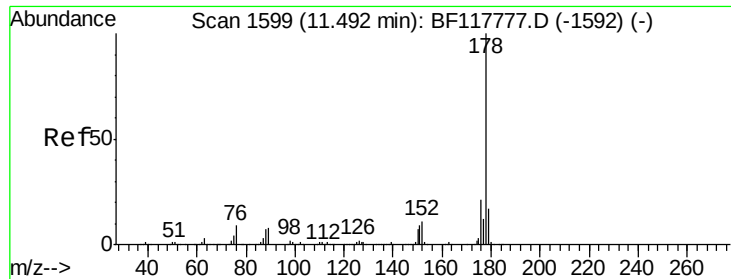
#70
 Pentachlorophenol
 Concen: 90.836 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.3	75.5
264	63.1	50.3	75.5



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





#71

Phenanthrene

Concen: 52.317 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion:178 Resp: 1368578

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

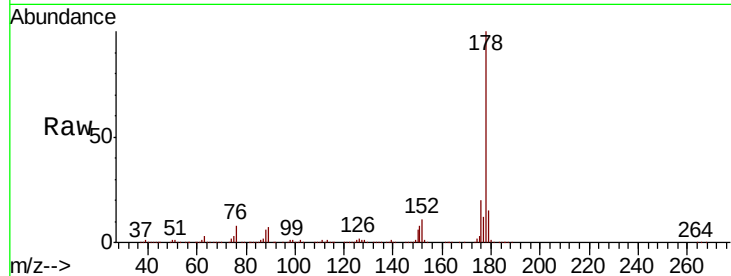
179 15.4 12.3 18.5

Manual Integrations

APPROVED

mohammad

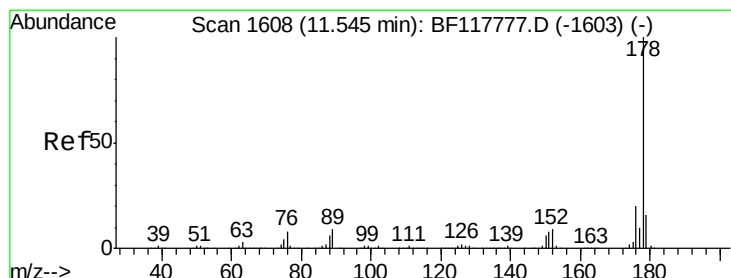
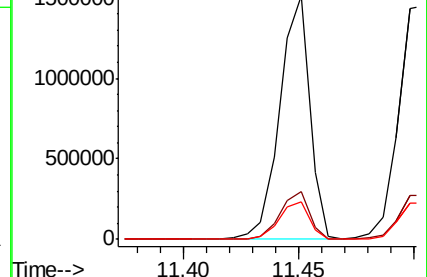
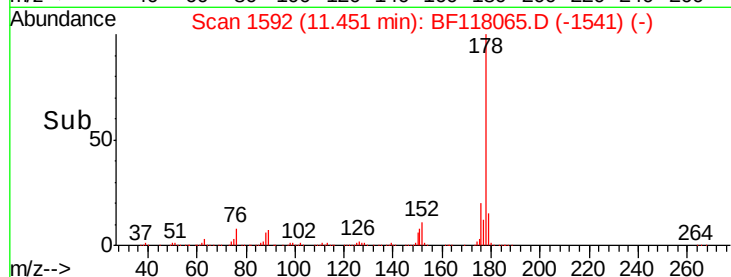
12/4/2019 5:01:28 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 54.054 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

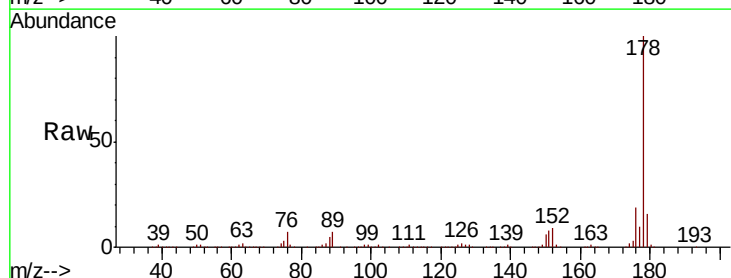
Tgt Ion:178 Resp: 1401971

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

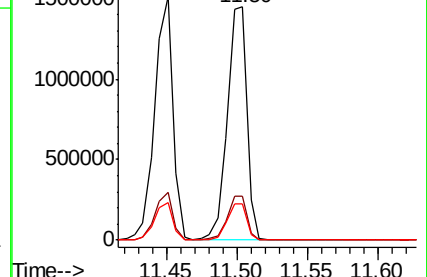
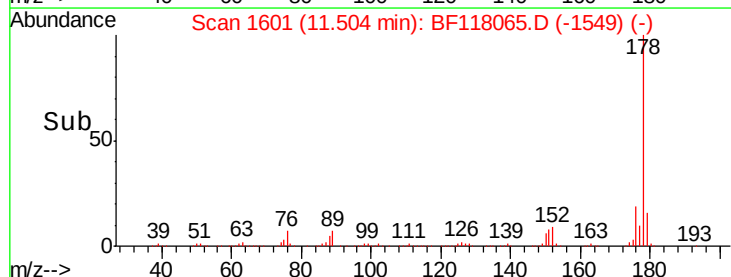
179 15.6 12.8 19.2

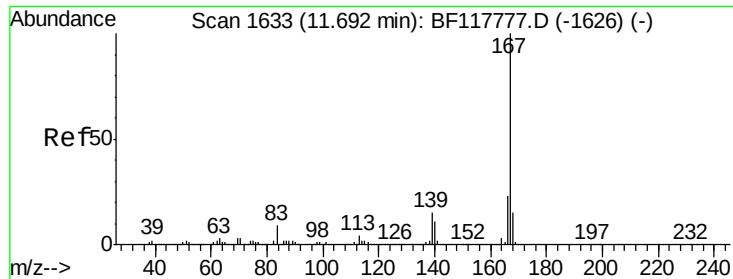


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





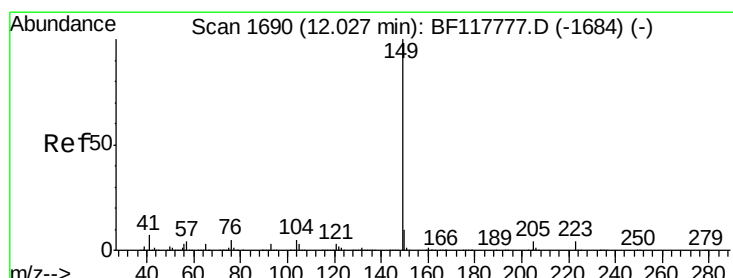
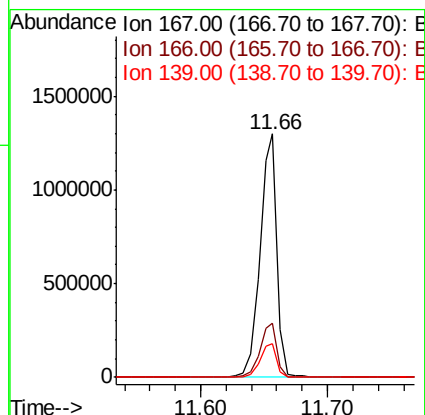
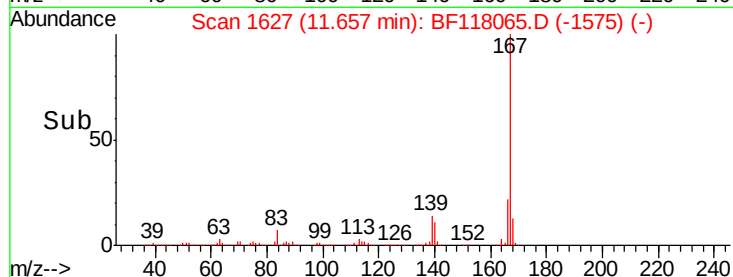
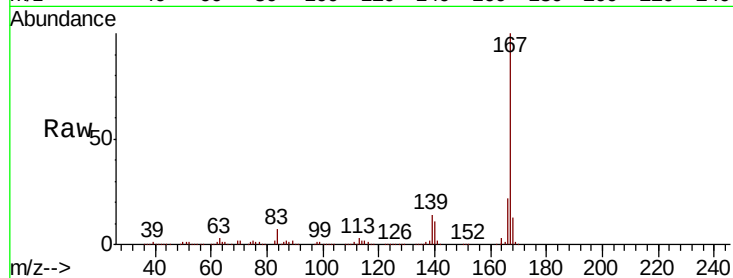
#73
 Carbazole
 Concen: 53.643 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. 0.01 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Tot Ion:167 Resp: 1215794
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 13.8 11.5 17.3

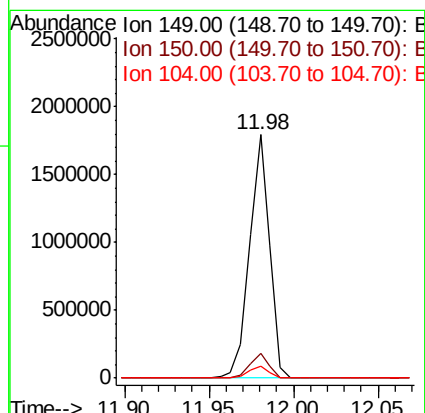
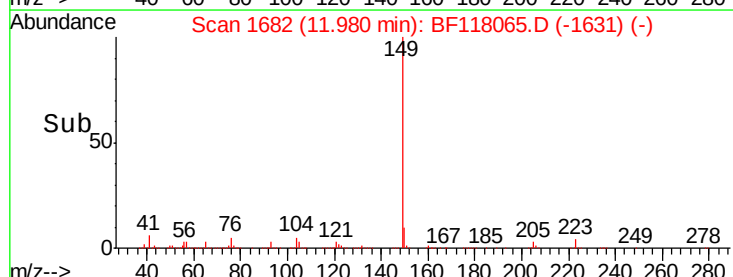
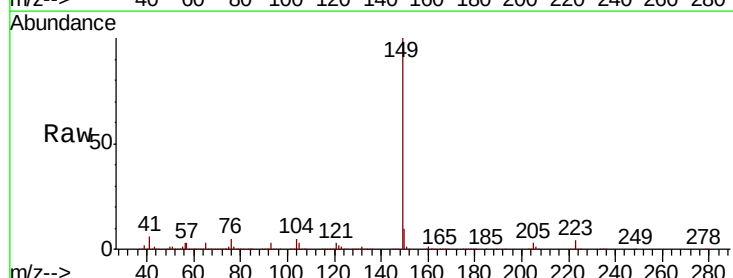
Manual Integrations
 APPROVED

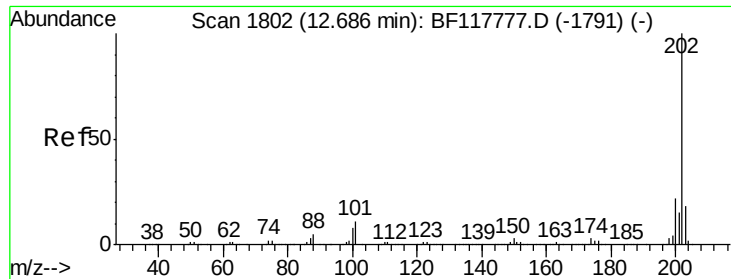
mohammad
 12/4/2019 5:01:28 PM



#74
 Di-n-butylphthalate
 Concen: 52.742 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion:149 Resp: 1488341
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.5 11.3
 104 5.1 4.2 6.4





#75

Fluoranthene

Concen: 60.405 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion:202 Resp: 1377583

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.5

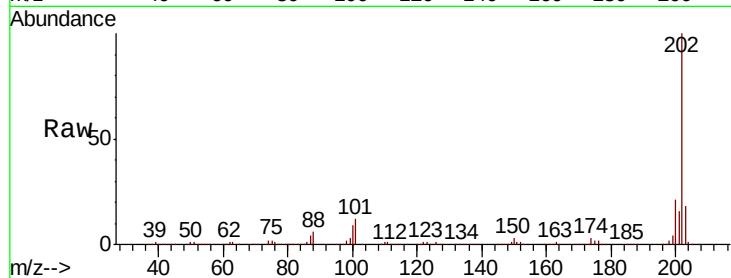
203 18.3 0.0 37.6

Manual Integrations

APPROVED

mohammad

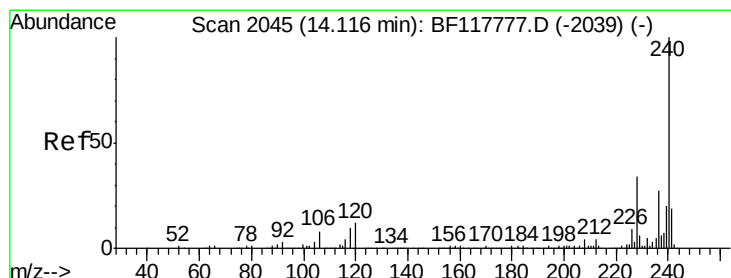
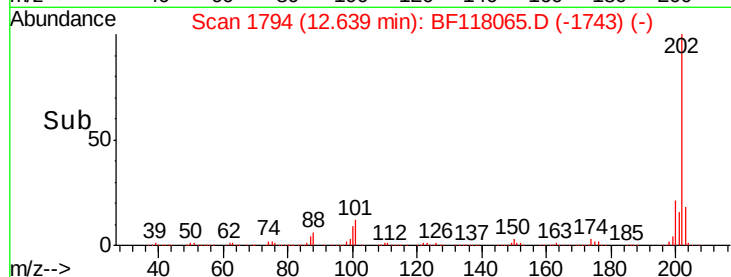
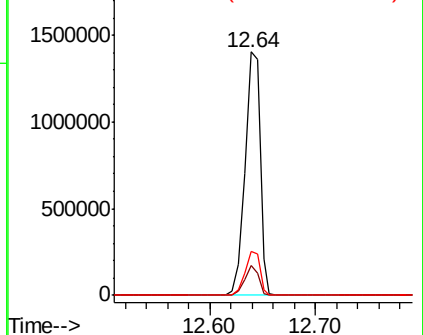
12/4/2019 5:01:28 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:240 Resp: 324609

Ion Ratio Lower Upper

240 100

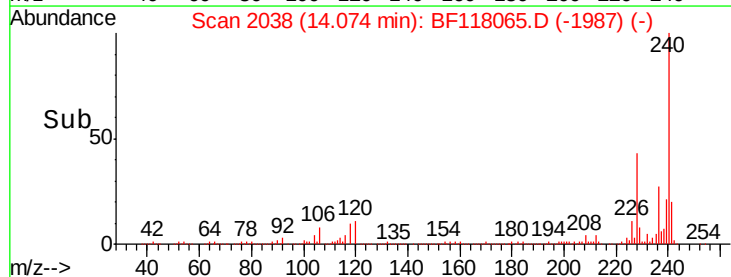
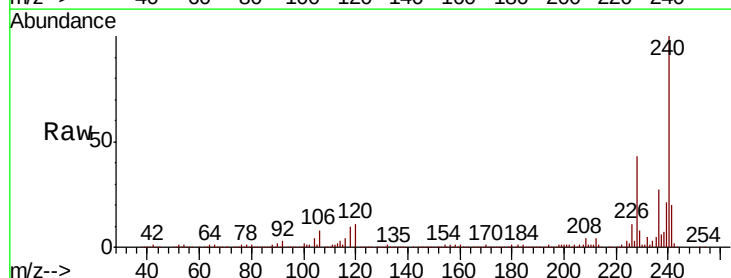
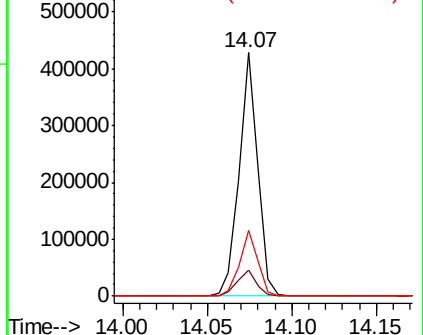
120 10.6 8.4 12.6

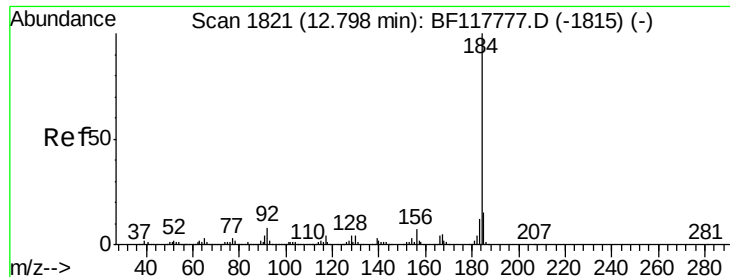
236 26.9 20.6 31.0

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.863 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion:184 Resp: 19804

Ion Ratio Lower Upper

184 100

185 15.8 11.6 17.4

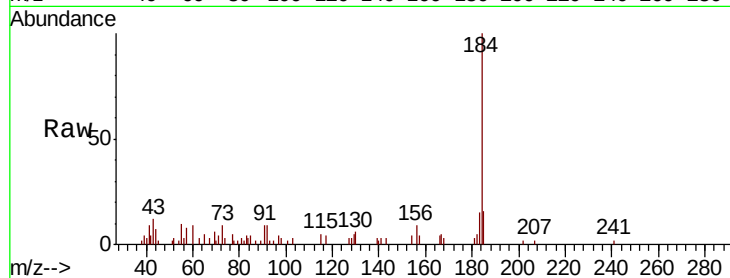
183 14.6 9.7 14.5#

Manual Integrations

APPROVED

mohammad

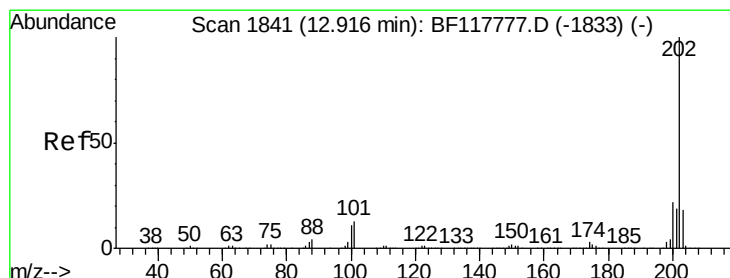
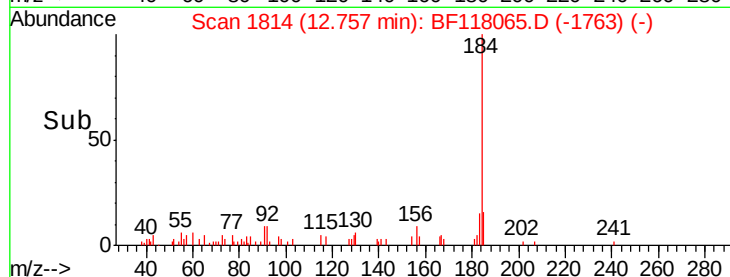
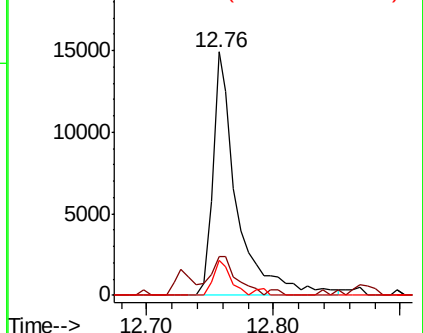
12/4/2019 5:01:28 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.571 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

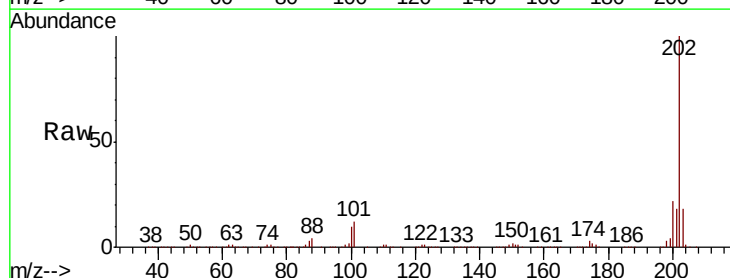
Tgt Ion:202 Resp: 1379111

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

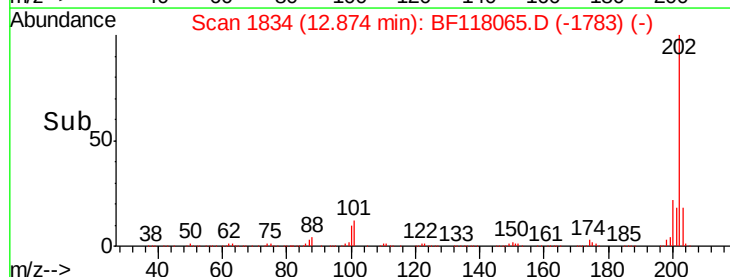
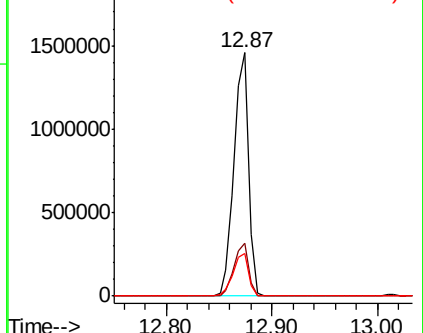
203 17.7 14.2 21.4

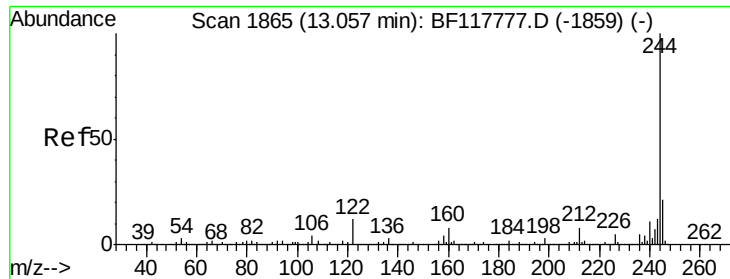


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





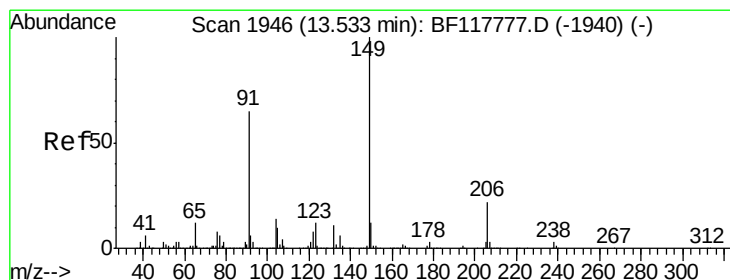
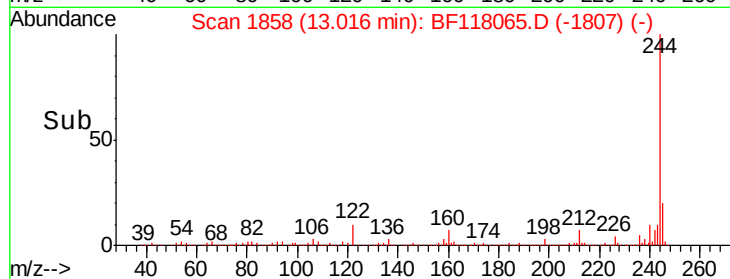
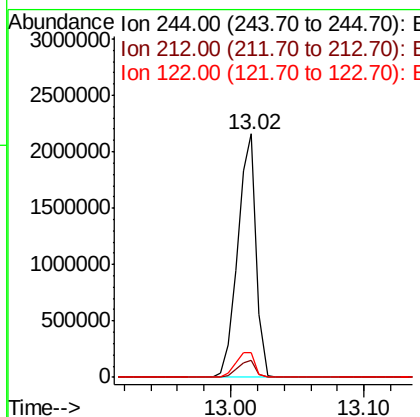
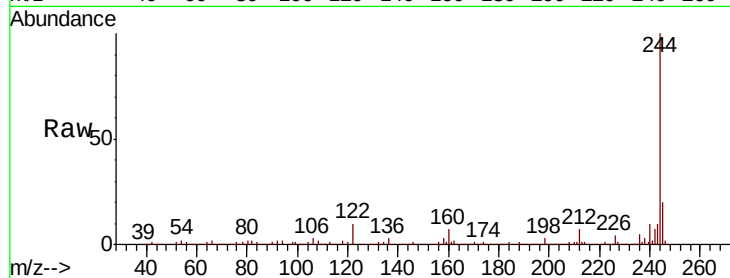
#79
 Terphenyl-d14
 Concen: 116.553 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.2	7.8
122	10.4	7.2	10.8

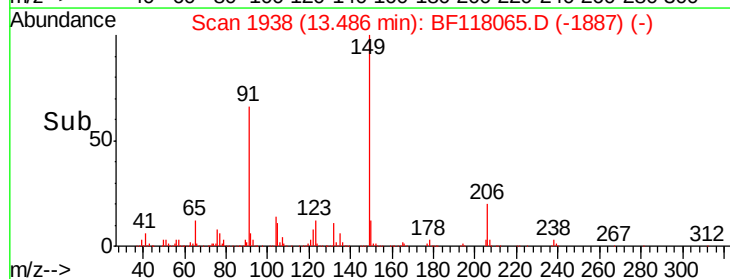
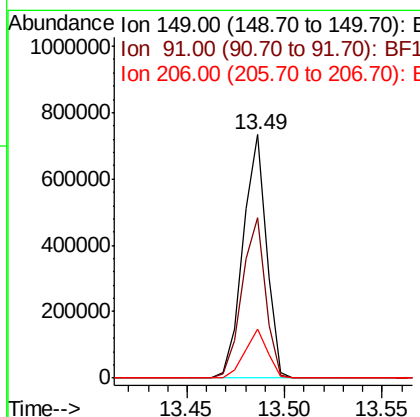
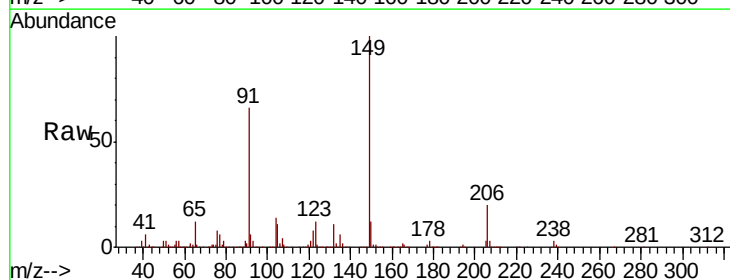
Manual Integrations
 APPROVED

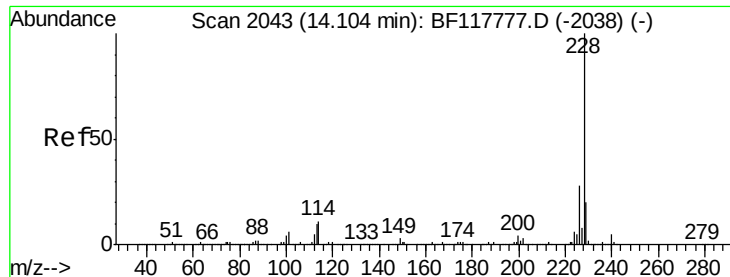
mohammad
 12/4/2019 5:01:28 PM



#80
 Butylbenzylphthalate
 Concen: 54.254 ng
 RT: 13.49 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BF118065.D
 Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.1	79.7
206	20.0	15.8	23.6





#81

Benzo(a)anthracene

Concen: 51.665 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

ClientSampleId :

TR-05-112619MSD

Tot Ion:228 Resp: 1108237

Ion Ratio Lower Upper

228 100

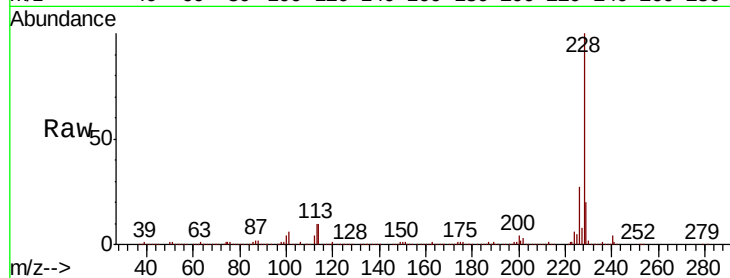
226 26.8 21.9 32.9

229 19.9 16.2 24.2

Manual Integrations
APPROVED

mohammad

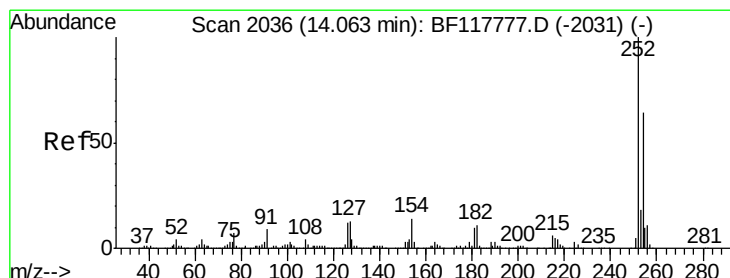
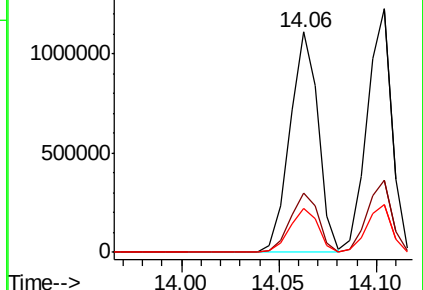
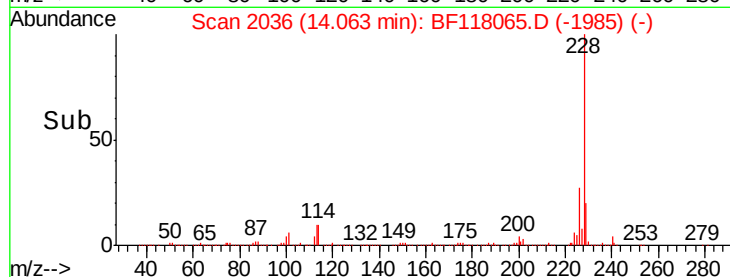
12/4/2019 5:01:28 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.820 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

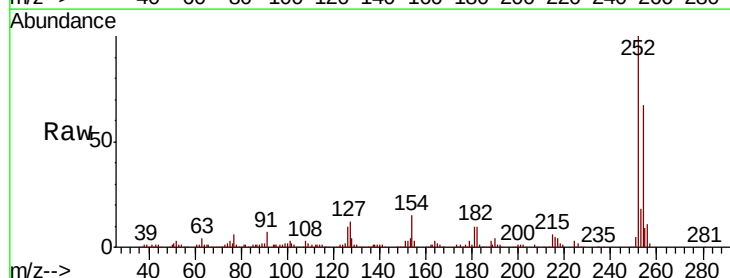
Tgt Ion:252 Resp: 208740

Ion Ratio Lower Upper

252 100

254 66.8 52.2 78.2

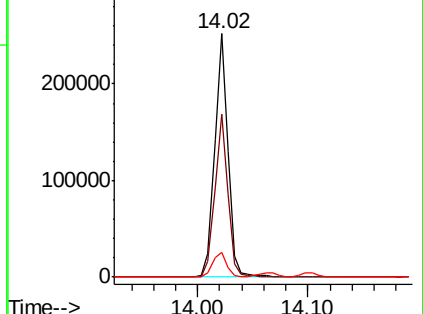
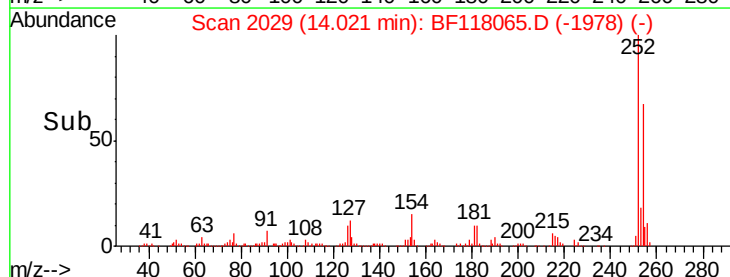
126 10.3 9.3 13.9

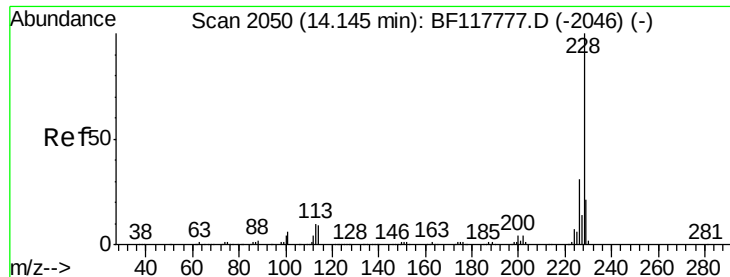


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





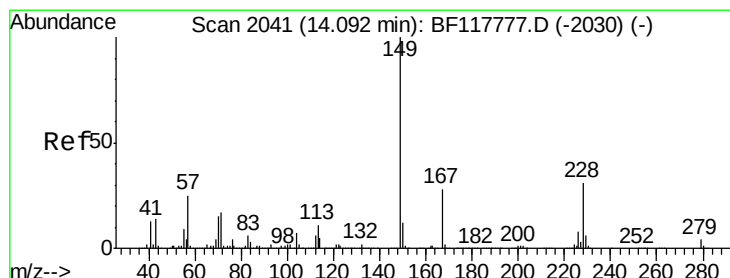
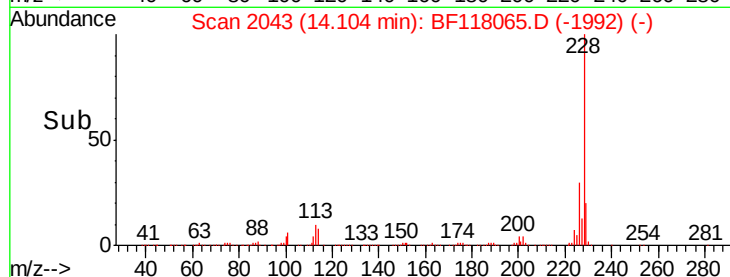
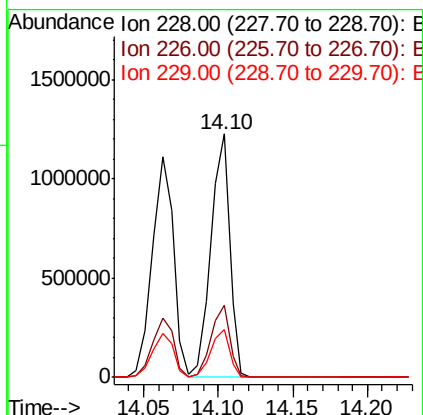
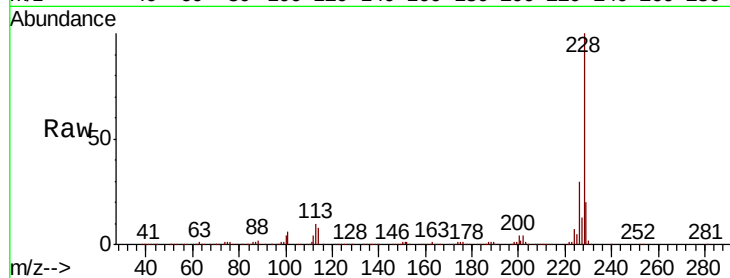
#83
Chrysene
Concen: 51.578 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	19.8	16.2	24.2

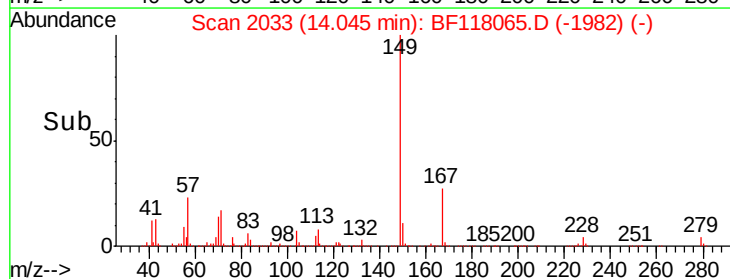
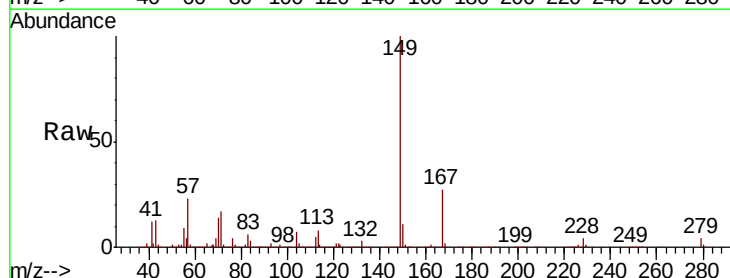
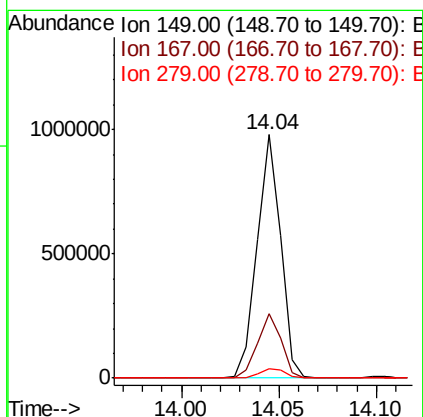
Manual Integrations
APPROVED

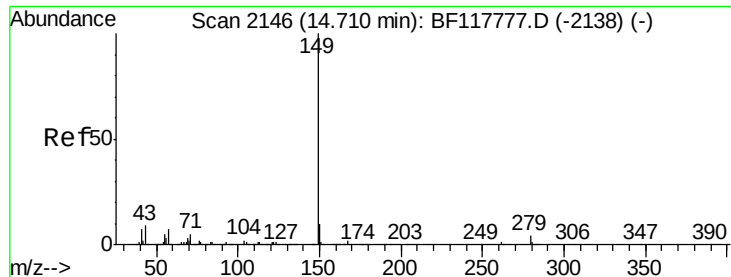
mohammad
12/4/2019 5:01:28 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 60.253 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	4.1	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 61.546 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.00 min

Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Instrument :

BNA_F

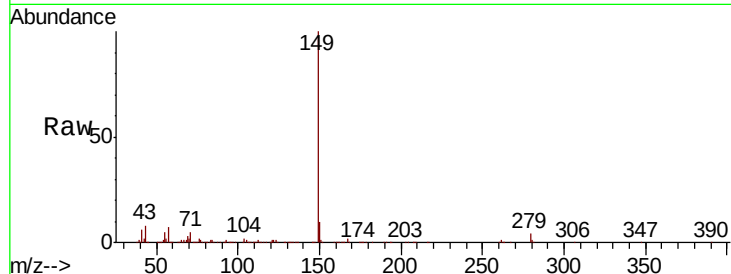
ClientSampleId :

TR-05-112619MSD

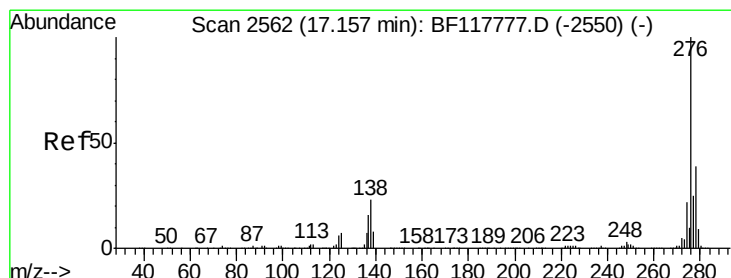
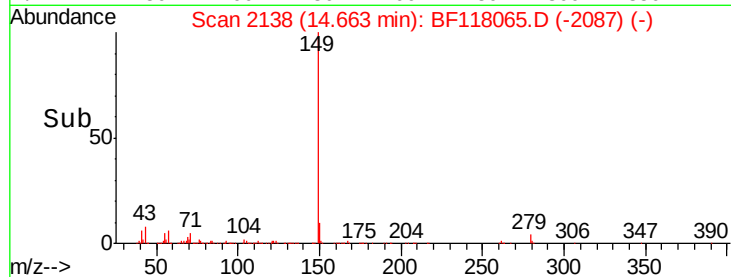
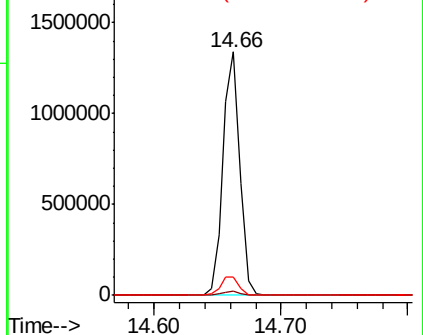
Tot Ion:	149	Resp:	1235081
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.4	9.6

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 63.505 ng

RT: 17.09 min Scan# 2550

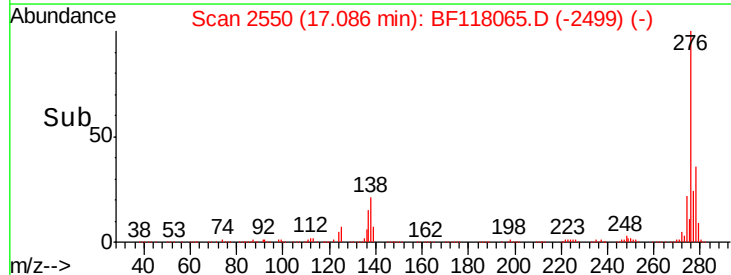
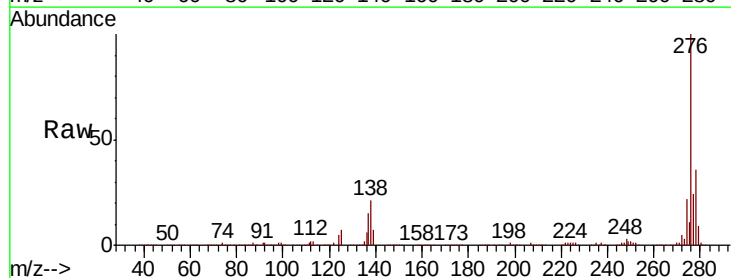
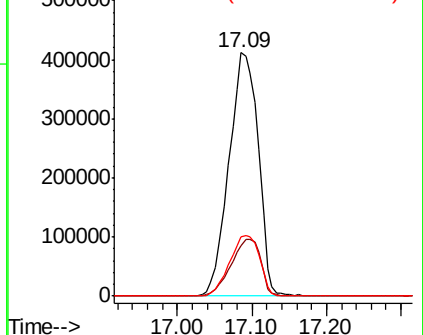
Delta R.T. 0.00 min

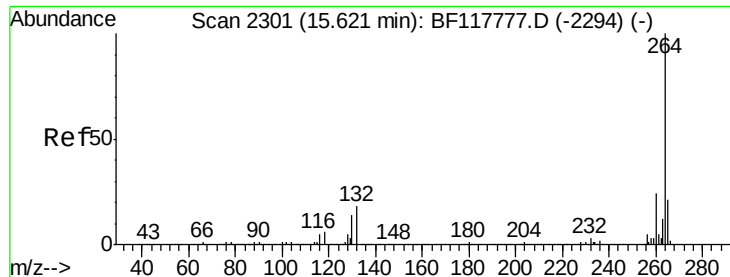
Lab File: BF118065.D

Acq: 3 Dec 2019 16:37

Tgt Ion:	276	Resp:	1123453
Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.0	28.6
277	25.6	20.7	31.1

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





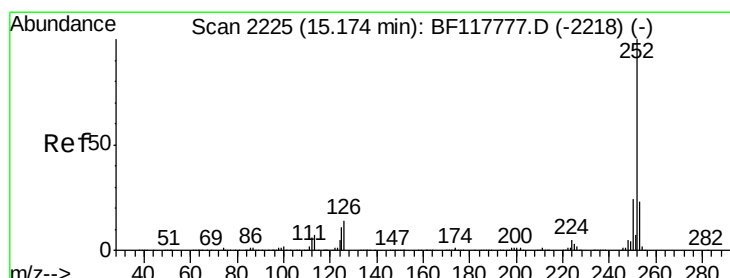
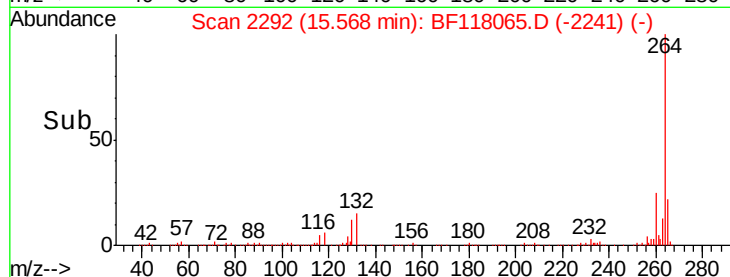
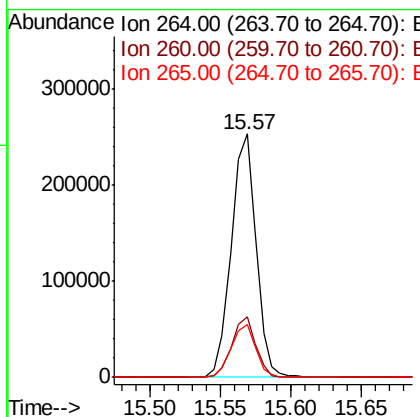
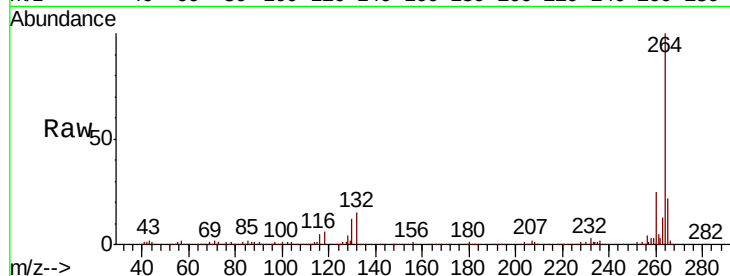
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	21.9	16.4	24.6

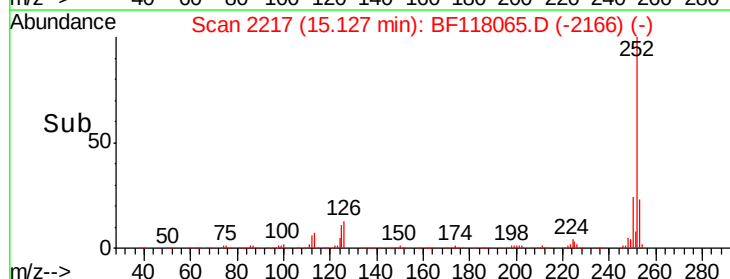
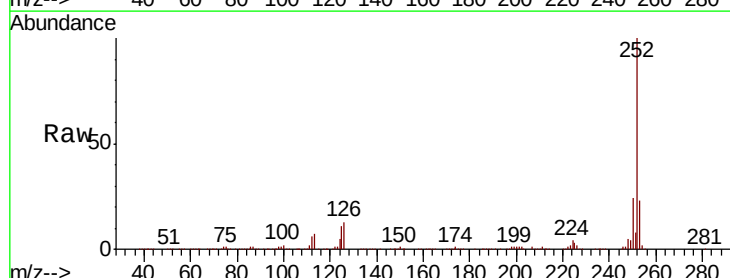
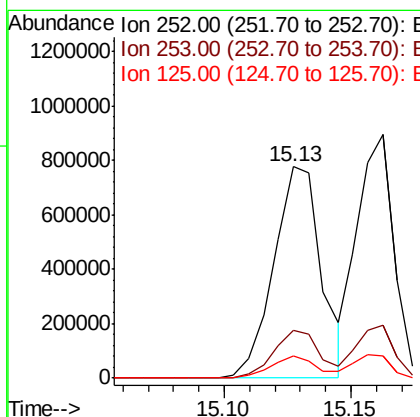
Manual Integrations
APPROVED

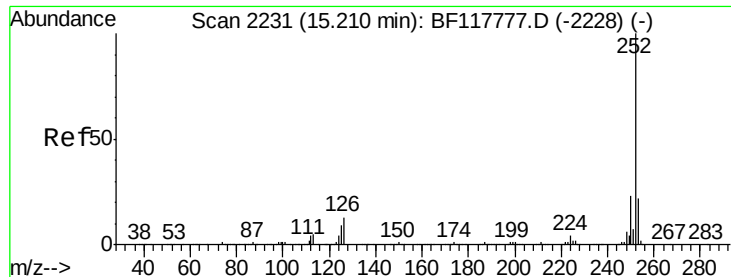
mohammad
12/4/2019 5:01:28 PM



#88
Benzo(b)fluoranthene
Concen: 50.432 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.5	7.7	11.5





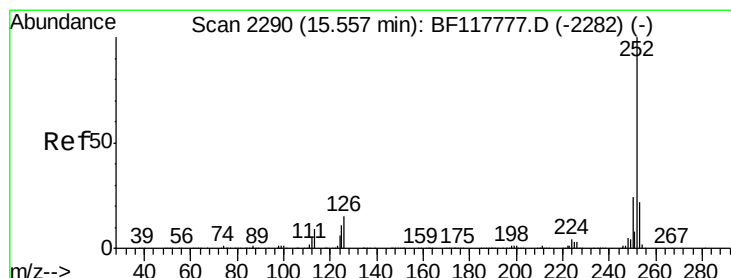
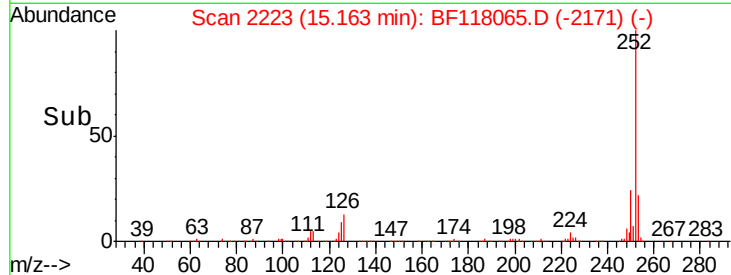
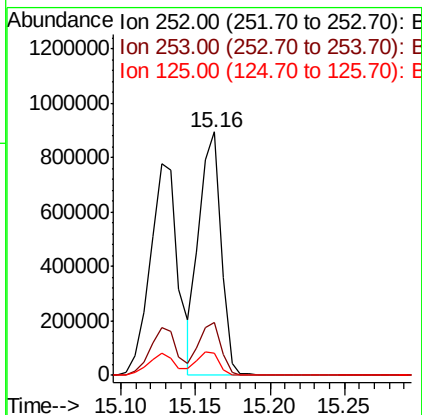
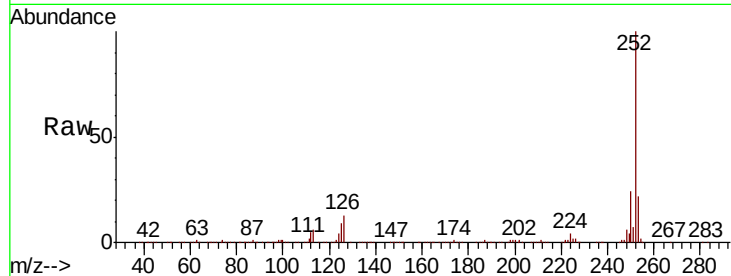
#89
Benzo(k)fluoranthene
Concen: 47.594 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.1	8.5	12.7

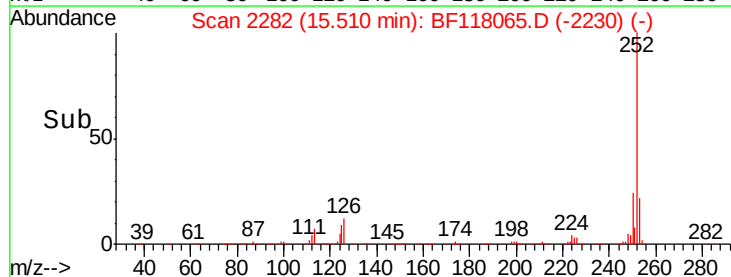
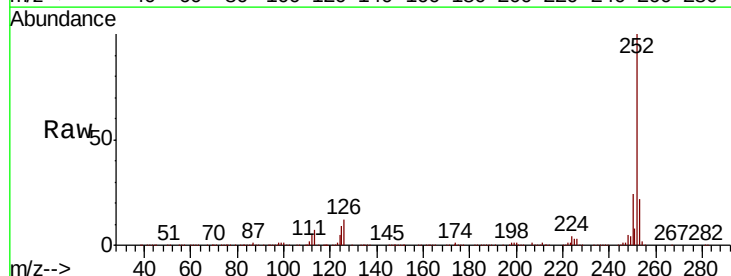
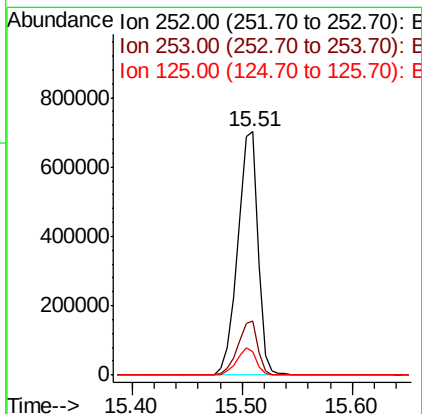
Manual Integrations
APPROVED

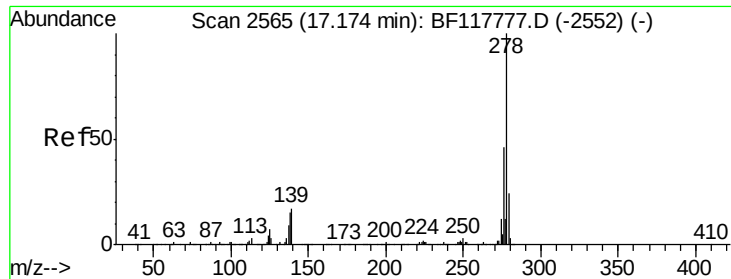
mohammad
12/4/2019 5:01:28 PM



#90
Benzo(a)pyrene
Concen: 51.273 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	9.4	8.9	13.3





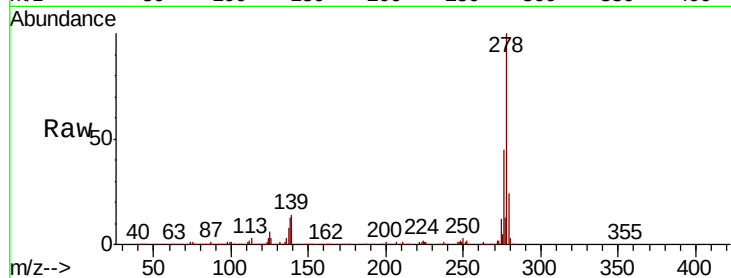
#91
Dibenzo(a,h)anthracene
Concen: 61.570 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Instrument :
BNA_F
ClientSampleId :
TR-05-112619MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.2	18.4
279	23.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
12/4/2019 5:01:28 PM

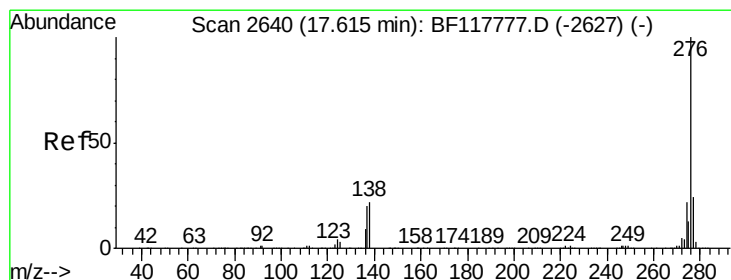
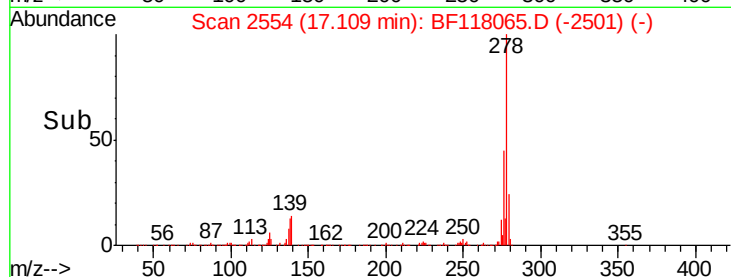
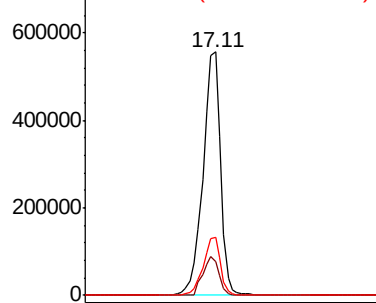


Abundance

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: 62.567 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF118065.D
Acq: 3 Dec 2019 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	19.9	16.6	25.0

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

