

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115863.D
 Acq On : 31 Jul 2019 13:59
 Operator : HP/JU
 Sample : PB121801BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM

Quant Time: Aug 01 05:37:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	144439	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	581607	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	308208	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	529783	20.00	ng	0.00
76) Chrysene-d12	14.02	240	400691	20.00	ng	0.00
87) Perylene-d12	15.49	264	379931	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	984701	114.13	ng	0.02
7) Phenol-d6	6.49	99	1275617	117.18	ng	0.00
23) Nitrobenzene-d5	7.42	82	829718	82.35	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	348423	116.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1401002	85.14	ng	0.00
79) Terphenyl-d14	12.96	244	1494445	78.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	183694	42.143	ng	99
3) Pyridine	3.46	79	478101	39.266	ng	98
4) n-Nitrosodimethylamine	3.41	42	210938	43.899	ng	99
6) Aniline	6.52	93	524392	33.637	ng	99
8) 2-Chlorophenol	6.64	128	432637	45.346	ng	97
9) Benzaldehyde	6.40	77	251974	33.547	ng	97
10) Phenol	6.50	94	562990	43.918	ng	93
11) bis(2-Chloroethyl)ether	6.59	93	411343	43.645	ng	100
12) 1,3-Dichlorobenzene	6.79	146	473010	42.898	ng	97
13) 1,4-Dichlorobenzene	6.87	146	477160	43.220	ng	99
14) 1,2-Dichlorobenzene	7.02	146	439714	43.254	ng	99
15) Benzyl Alcohol	6.99	79	369866	44.771	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.13	45	544339	42.343	ng	98
17) 2-Methylphenol	7.10	107	364508	45.119	ng	99
18) Hexachloroethane	7.36	117	172746	42.498	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	293983	43.581	ng	98
20) 3+4-Methylphenols	7.26	107	433870	45.383	ng	92
22) Acetophenone	7.26	105	581618	45.598	ng	99
24) Nitrobenzene	7.43	77	481260	44.235	ng	97
25) Isophorone	7.67	82	853972	44.324	ng	100
26) 2-Nitrophenol	7.75	139	236556	46.127	ng	97
27) 2,4-Dimethylphenol	7.79	122	381129	49.397	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	512991	42.958	ng	99
29) 2,4-Dichlorophenol	7.99	162	368532	45.237	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	406137	43.735	ng	99
31) Naphthalene	8.16	128	1239473	45.287	ng	100
32) Benzoic acid	7.93	122	254814	46.843	ng	98
33) 4-Chloroaniline	8.20	127	285378	23.337	ng	99
34) Hexachlorobutadiene	8.27	225	225635	42.183	ng	100
35) Caprolactam	8.58	113	129075m	48.988	ng	
36) 4-Chloro-3-methylphenol	8.69	107	385119	45.441	ng	97
37) 2-Methylnaphthalene	8.85	142	827095	45.886	ng	100
38) 1-Methylnaphthalene	8.95	142	773775	45.376	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	364157	44.196	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115863.D
 Acq On : 31 Jul 2019 13:59
 Operator : HP/JU
 Sample : PB121801BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM

Quant Time: Aug 01 05:37:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	319318	85.857	nq	98
43) 2,4,6-Trichlorophenol	9.13	196	240844	42.466	nq	100
44) 2,4,5-Trichlorophenol	9.17	196	262343	44.749	nq	99
46) 1,1'-Biphenyl	9.32	154	979371	45.009	nq	99
47) 2-Chloronaphthalene	9.34	162	777299	42.920	nq	98
48) 2-Nitroaniline	9.43	65	246575	41.191	nq	90
49) Acenaphthylene	9.76	152	1196033	45.268	nq	100
50) Dimethylphthalate	9.62	163	878430	41.859	nq	100
51) 2,6-Dinitrotoluene	9.68	165	199564	43.759	nq	100
52) Acenaphthene	9.93	154	710891	43.858	nq	99
53) 3-Nitroaniline	9.85	138	151418	26.871	nq	91
54) 2,4-Dinitrophenol	9.96	184	186712	80.447	nq	# 88
55) Dibenzofuran	10.10	168	1058531	44.906	nq	99
56) 4-Nitrophenol	10.02	139	347941	96.387	nq	98
57) 2,4-Dinitrotoluene	10.09	165	269977	44.463	nq	97
58) Fluorene	10.45	166	798347	44.021	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	218715	44.344	nq	99
60) Diethylphthalate	10.32	149	818334	41.767	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	398053	43.338	nq	99
62) 4-Nitroaniline	10.47	138	226966	38.974	nq	96
63) Azobenzene	10.59	77	876709	43.504	nq	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	132245	47.104	nq	97
66) n-Nitrosodiphenylamine	10.55	169	716510	44.934	nq	100
67) 4-Bromophenyl-phenylether	10.92	248	241756	42.628	nq	99
68) Hexachlorobenzene	11.00	284	277433	42.305	nq	97
69) Atrazine	11.08	200	221870	42.294	nq	99
70) Pentachlorophenol	11.19	266	288644	90.658	nq	99
71) Phenanthrene	11.41	178	1189403	43.916	nq	100
72) Anthracene	11.46	178	1233593	45.005	nq	99
73) Carbazole	11.61	167	1119129	45.004	nq	99
74) Di-n-butylphthalate	11.94	149	1226675	42.286	nq	100
75) Fluoranthene	12.60	202	1249372	44.064	nq	100
77) Benzidine	12.71	184	660155	48.767	nq	99
78) Pyrene	12.83	202	1290954	42.740	nq	100
80) Butylbenzylphthalate	13.44	149	528459	41.361	nq	98
81) Benzo(a)anthracene	14.01	228	1087465	42.461	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	274159	30.813	nq	# 98
83) Chrysene	14.05	228	1082480	43.536	nq	100
84) Bis(2-ethylhexyl)phthalate	14.00	149	695450	41.886	nq	100
85) Di-n-octyl phthalate	14.60	149	1138064	43.154	nq	100
86) Indeno(1,2,3-cd)pyrene	16.97	276	922360	44.168	nq	100
88) Benzo(b)fluoranthene	15.06	252	952301	43.349	nq	97
89) Benzo(k)fluoranthene	15.09	252	969443	45.307	nq	99
90) Benzo(a)pyrene	15.43	252	912185	46.451	nq	99
91) Dibenzo(a,h)anthracene	16.98	278	765073	45.008	nq	99
92) Benzo(g,h,i)perylene	17.41	276	753517	45.136	nq	98

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

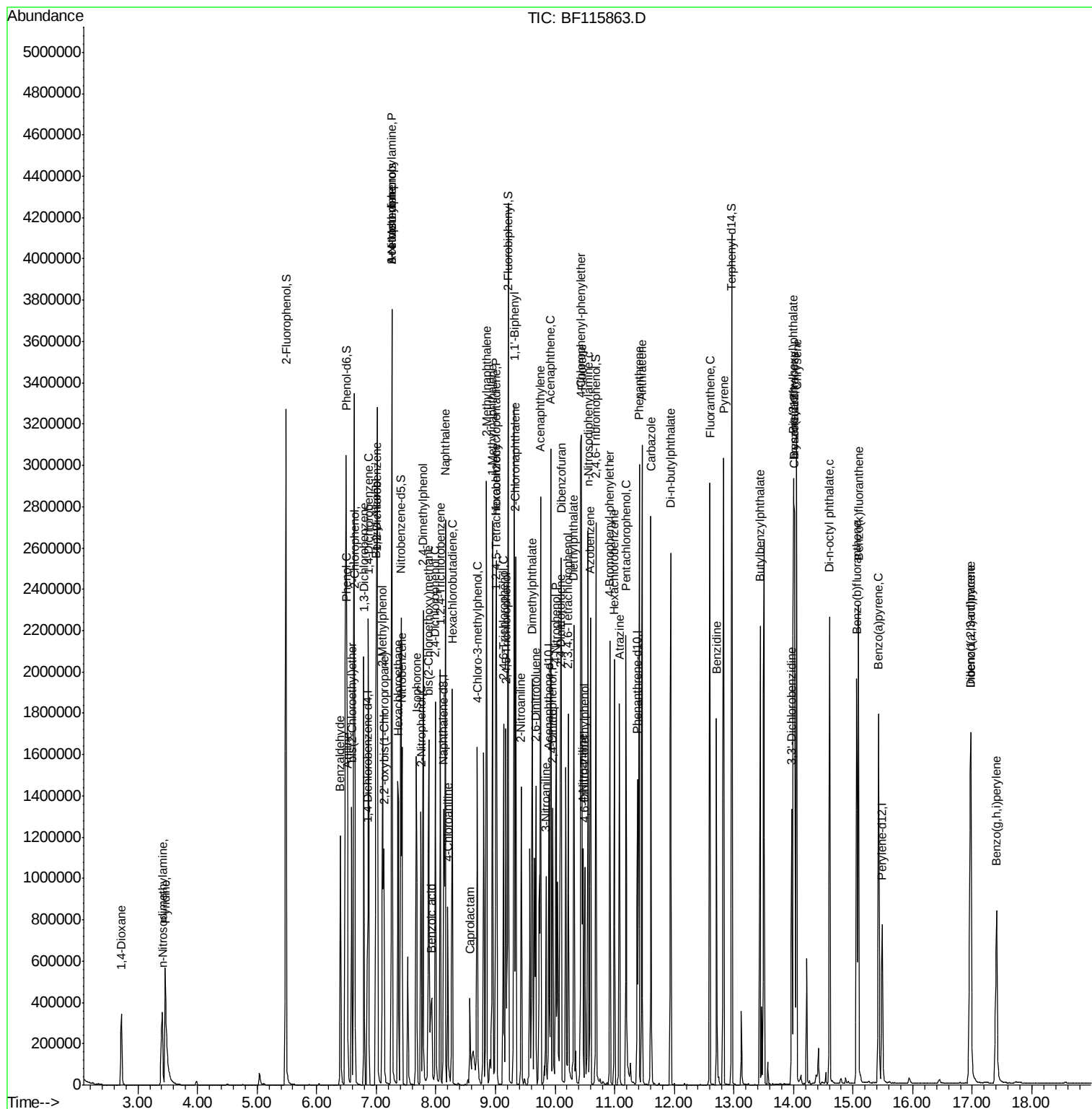
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115863.D
 Acq On : 31 Jul 2019 13:59
 Operator : HP/JU
 Sample : PB121801BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM

Quant Time: Aug 01 05:37:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration





#1

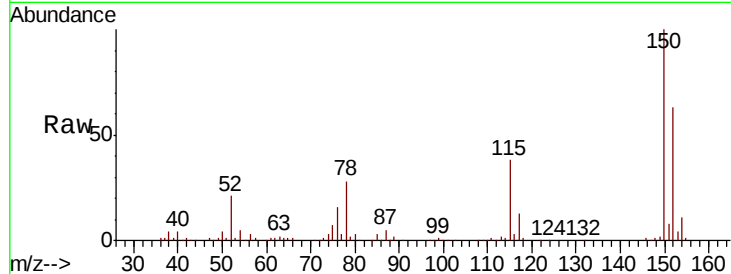
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.0
115	61.1	51.8	77.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

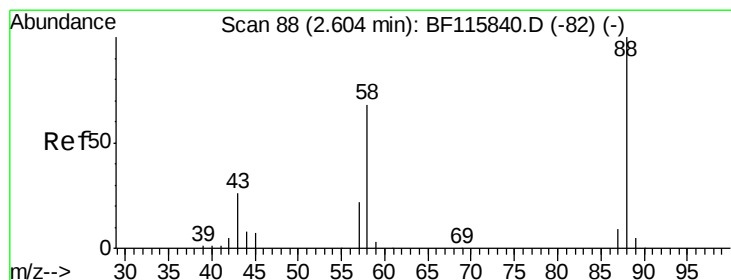
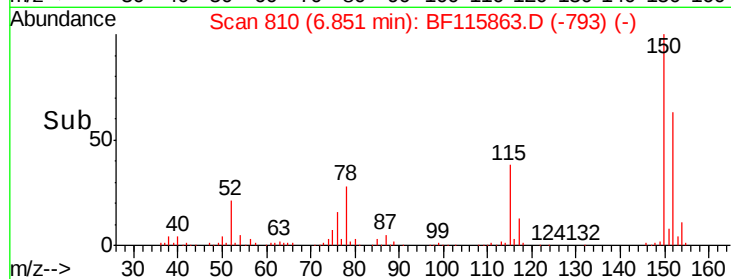
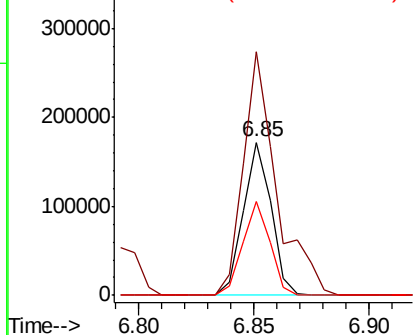


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

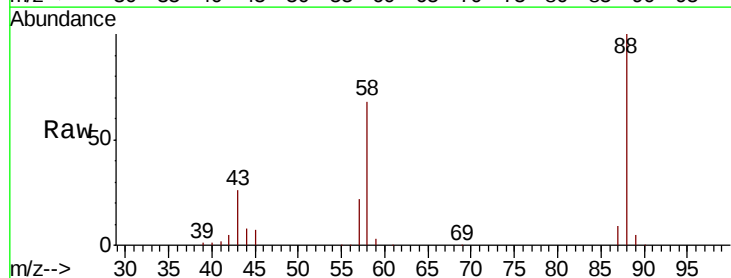
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 42.143 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.12 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.1	81.1
43	26.4	20.7	31.1

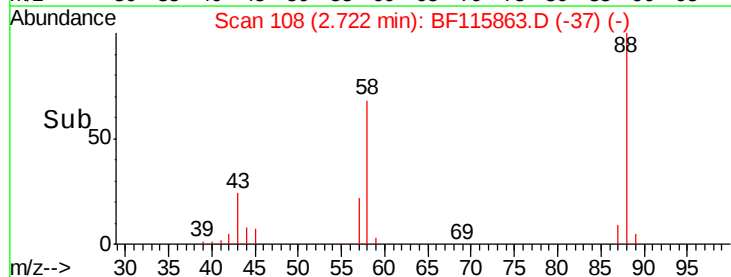
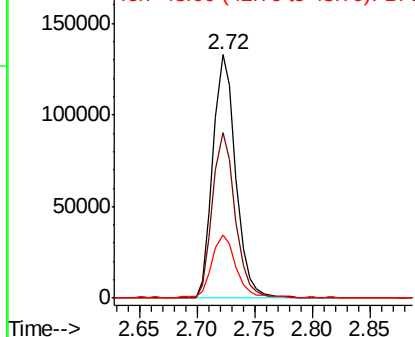


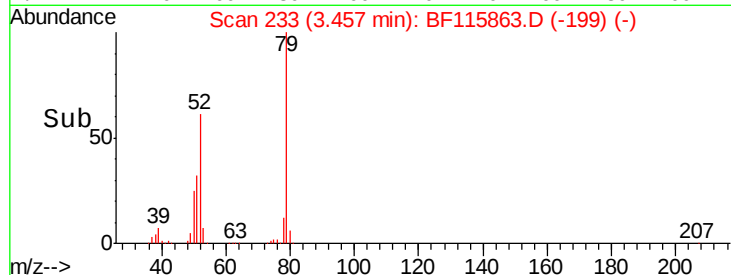
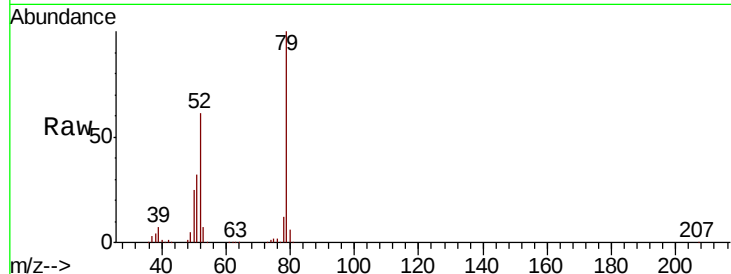
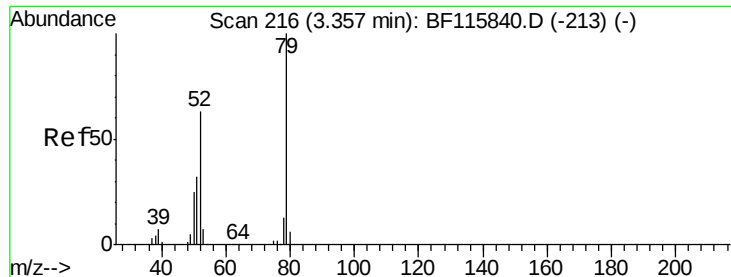
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





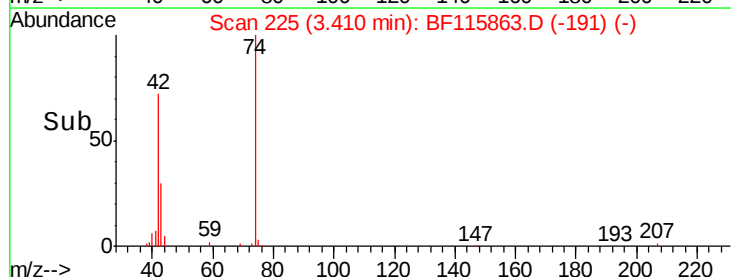
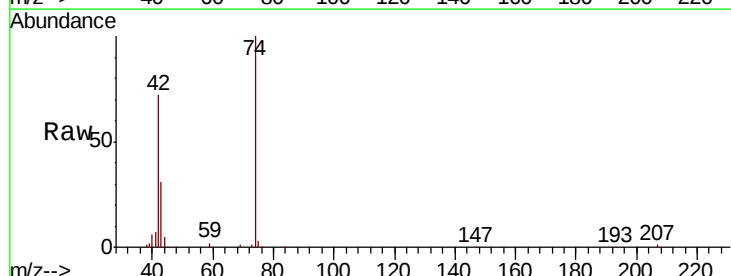
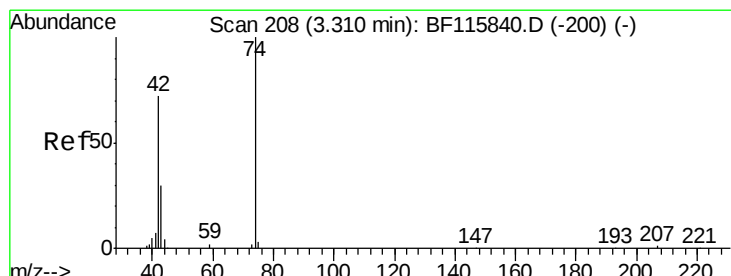
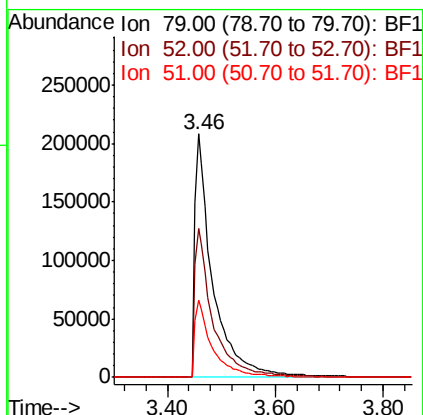
#3
 Pvridine
 Concen: 39.266 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.10 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tot Ion:	79	Resp:	478101
Ion Ratio	Lower	Upper	
79	100		
52	61.2	50.2	75.4
51	31.8	25.8	38.6

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

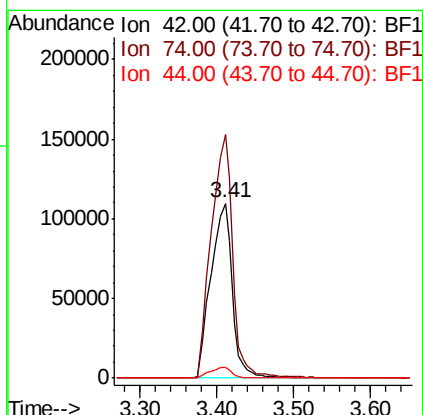
Manual Integrations
 APPROVED

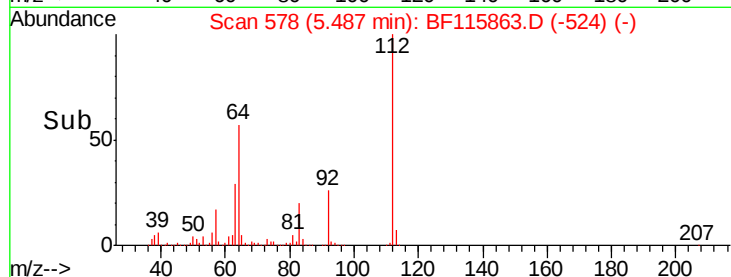
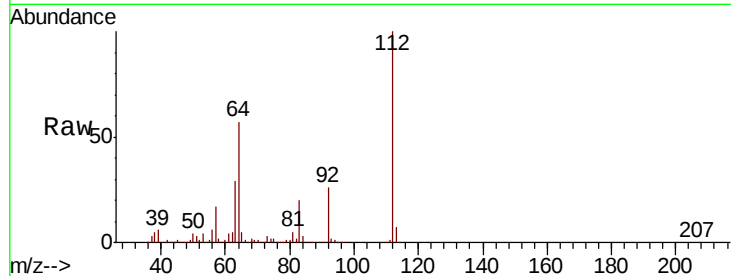
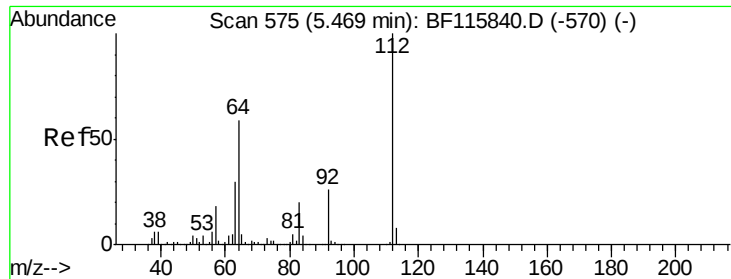
mohammad
 8/1/2019 5:06:29 PM



#4
 n-Nitrosodimethylamine
 Concen: 43.899 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.10 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion:	42	Resp:	210938
Ion Ratio	Lower	Upper	
42	100		
74	139.3	111.0	166.4
44	6.4	4.7	7.1





#5

2-Fluorophenol

Concen: 114.128 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		984701		
64	56.5	46.8	70.2		
63	29.2	24.2	36.2		

Instrument :

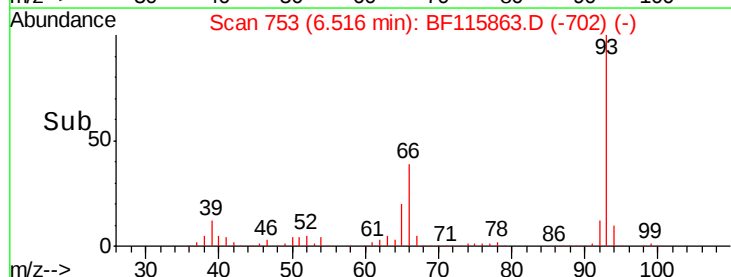
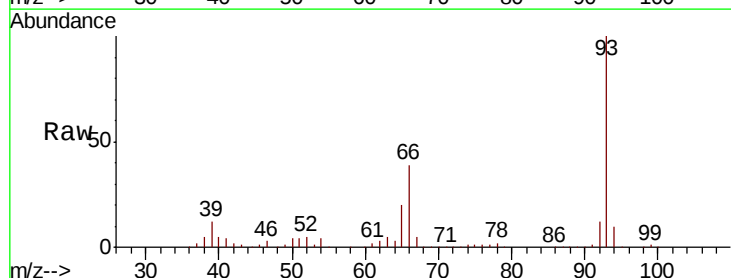
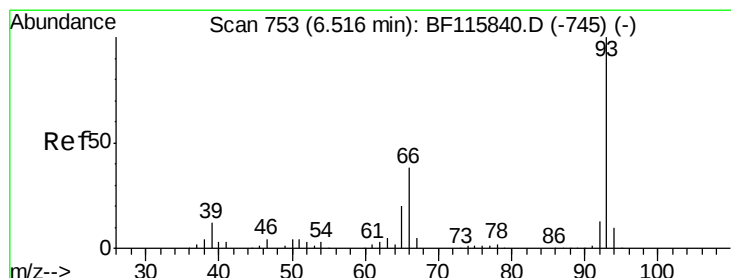
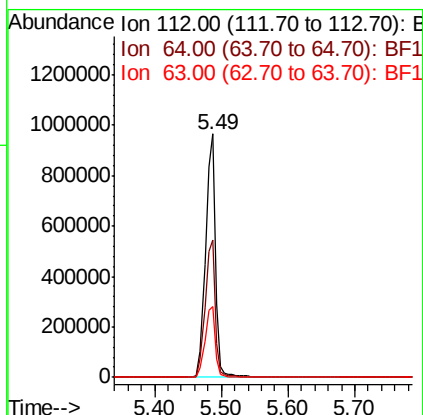
BNA_F

ClientSampleId :

PB121801BSD

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#6

Aniline

Concen: 33.637 ng

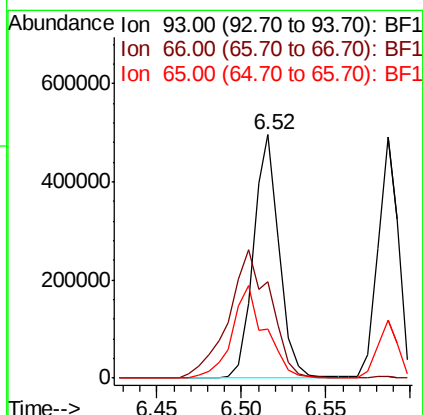
RT: 6.52 min Scan# 753

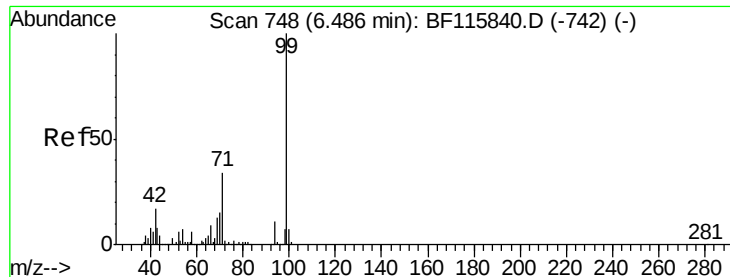
Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		524392		
66	39.4	31.4	47.0		
65	20.2	16.5	24.7		





#7

Phenol-d6

Concen: 117.182 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

ClientSampleId :

PB121801BSD

Tot Ion: 99 Resp: 1275617

Ion Ratio Lower Upper

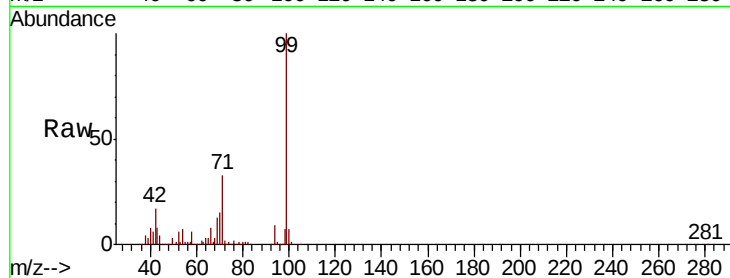
99 100

42 17.1 13.8 20.6

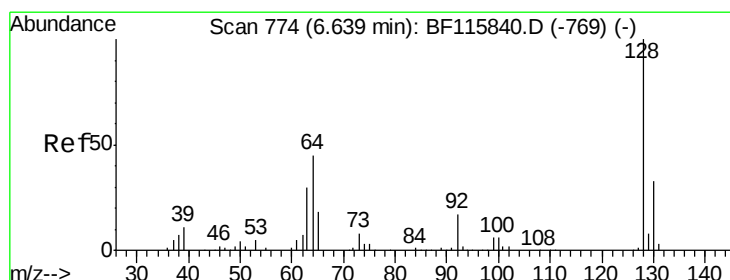
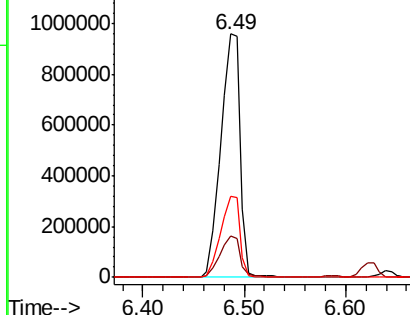
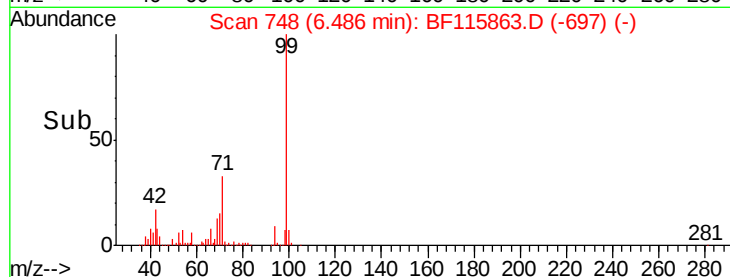
71 33.2 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



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



#8

2-Chlorophenol

Concen: 45.346 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

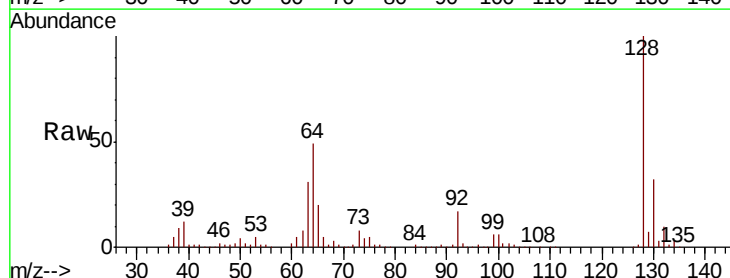
Tgt Ion: 128 Resp: 432637

Ion Ratio Lower Upper

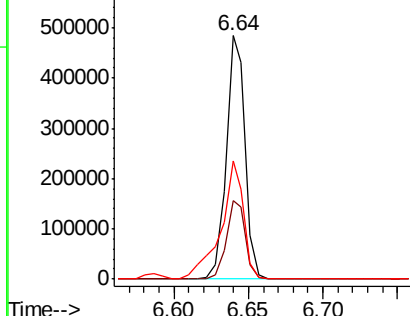
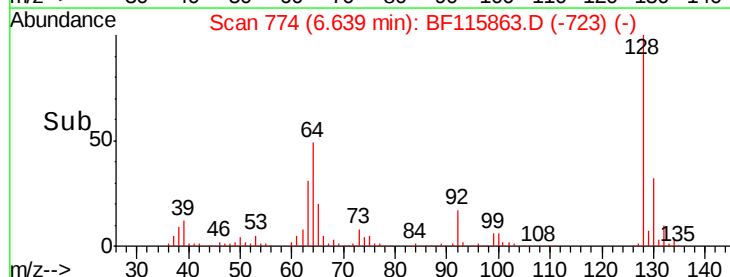
128 100

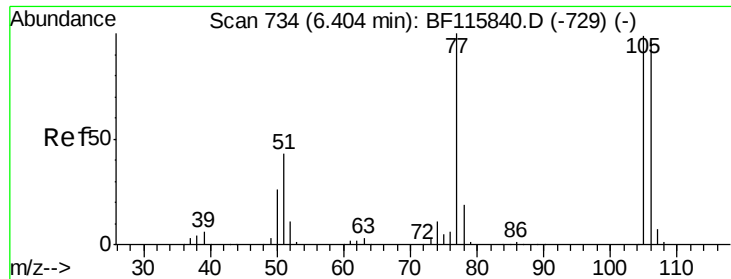
130 32.4 12.9 52.9

64 48.5 26.1 66.1



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





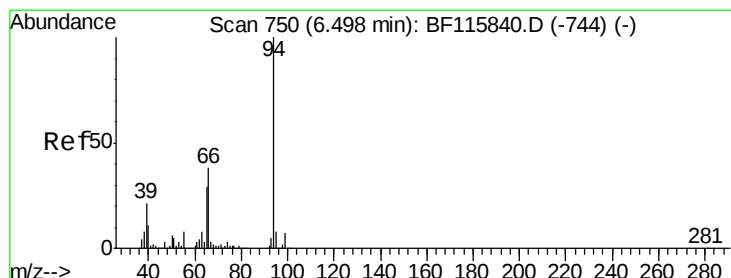
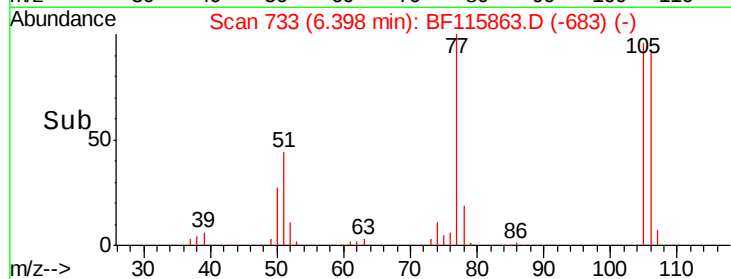
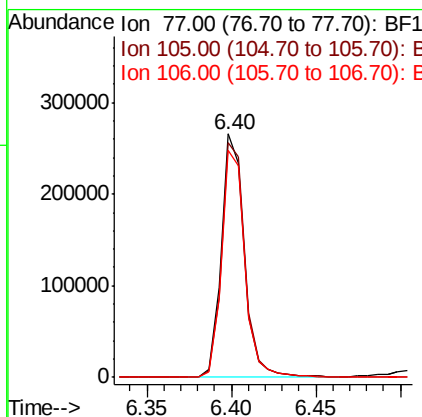
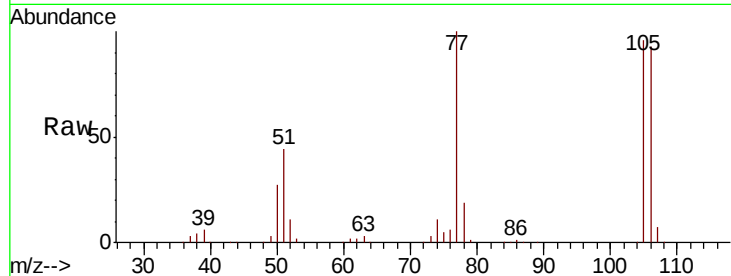
#9
Benzaldehyde
Concen: 33.547 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	96.1	79.0	119.0		
106	93.0	76.2	116.2		

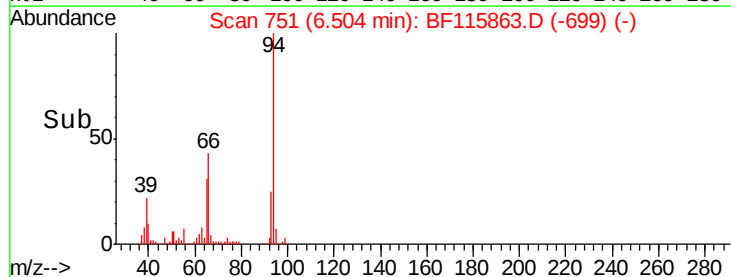
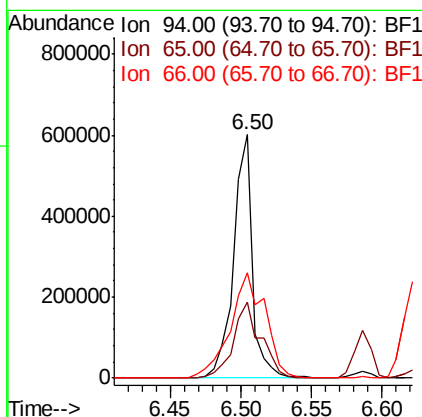
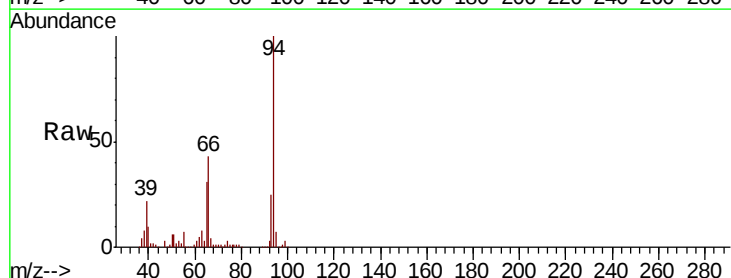
Manual Integrations
APPROVED

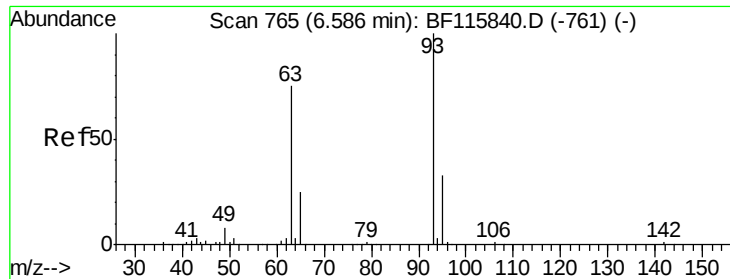
mohammad
8/1/2019 5:06:29 PM



#10
Phenol
Concen: 43.918 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	31.4	8.9	48.9		
66	43.3	18.0	58.0		





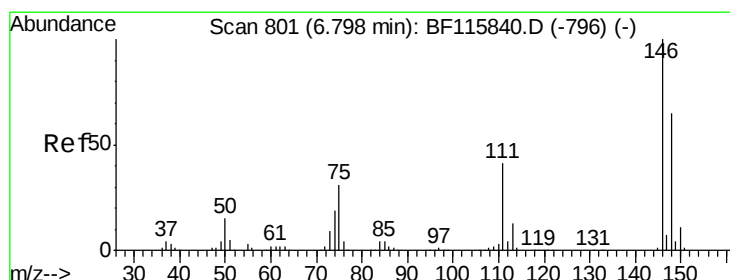
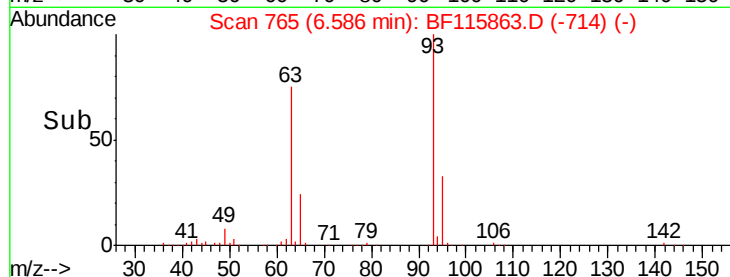
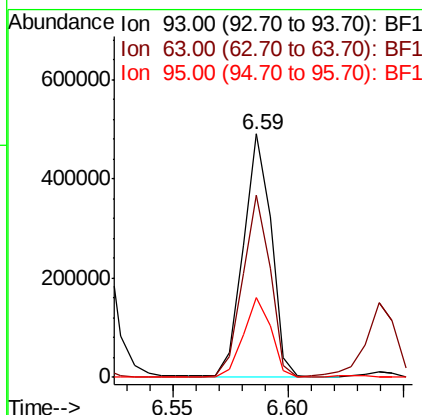
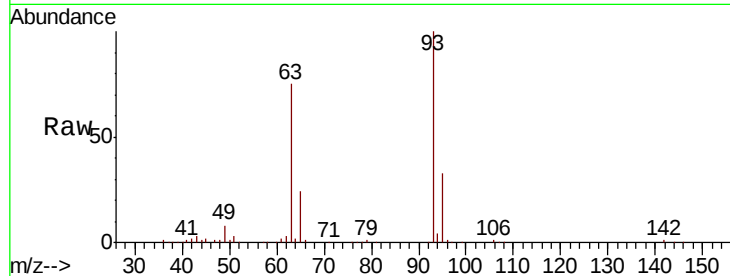
#11
bis(2-Chloroethyl)ether
Concen: 43.645 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.8	54.9	94.9
95	32.9	13.3	53.3

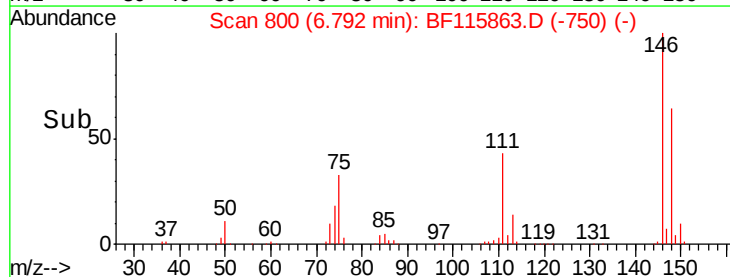
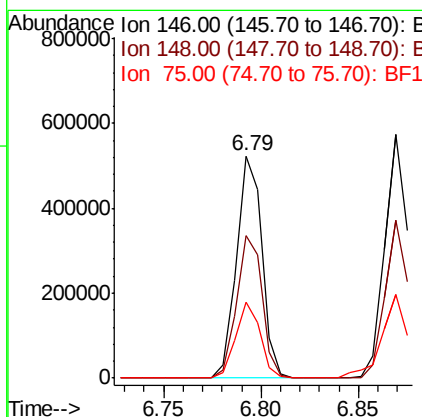
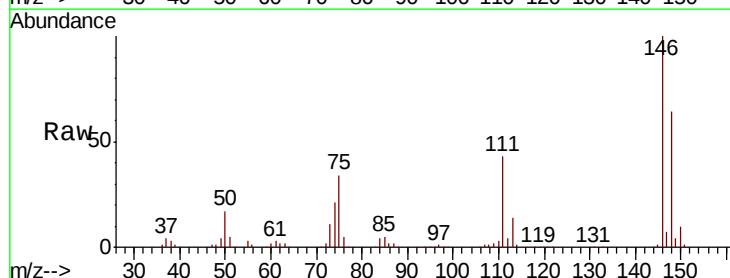
Manual Integrations
APPROVED

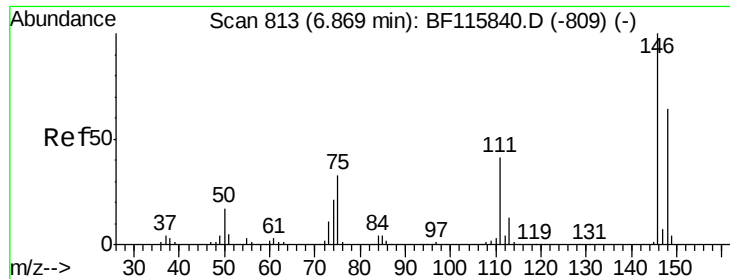
mohammad
8/1/2019 5:06:29 PM



#12
1,3-Dichlorobenzene
Concen: 42.898 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.1	78.1
75	34.2	25.0	37.6





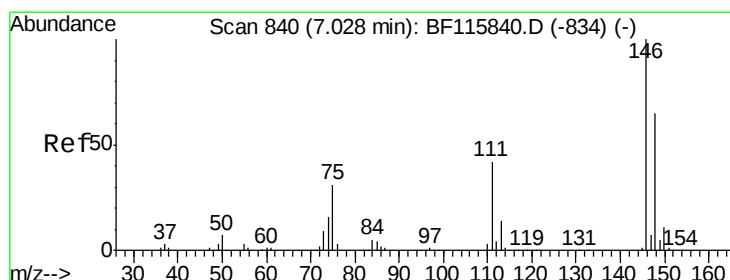
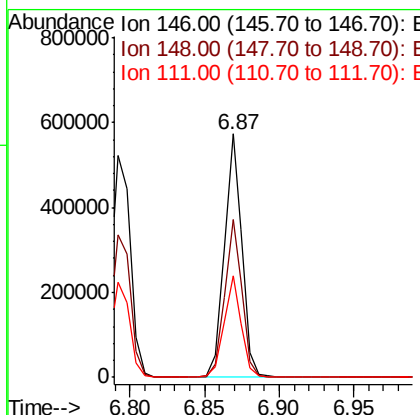
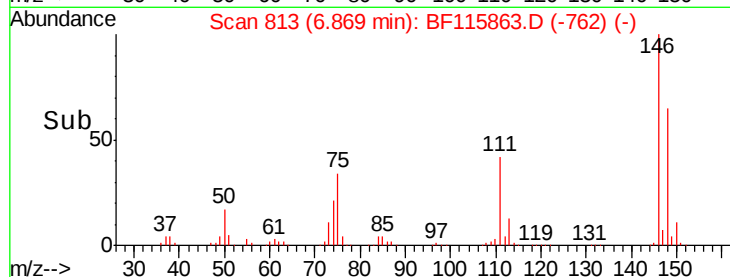
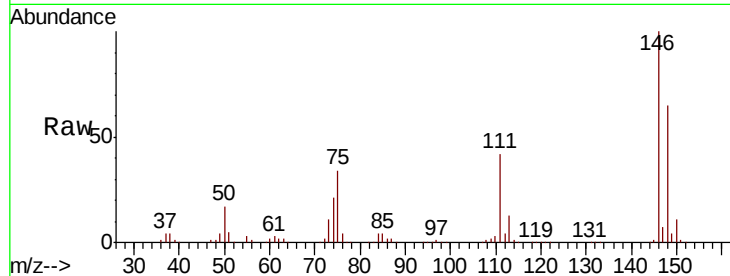
#13
 1,4-Dichlorobenzene
 Concen: 43.220 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	41.6	33.2	49.8

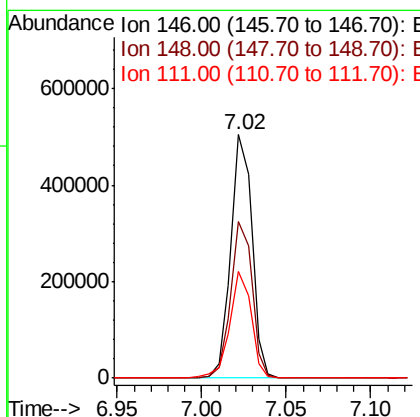
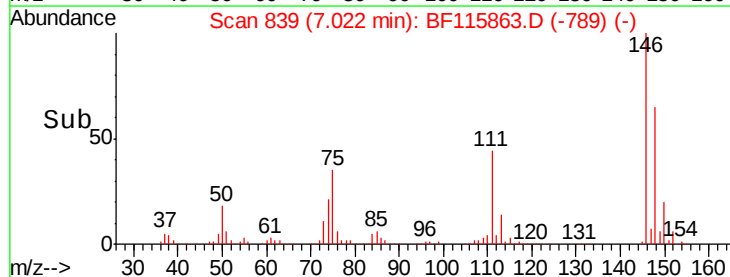
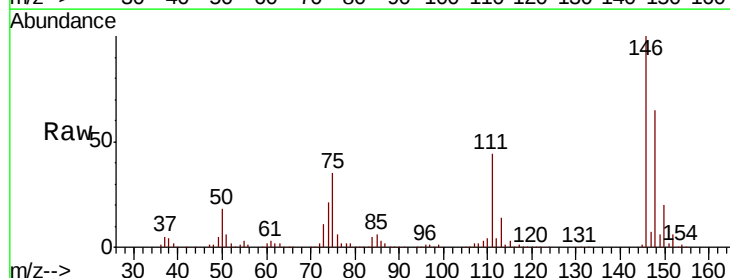
Manual Integrations
 APPROVED

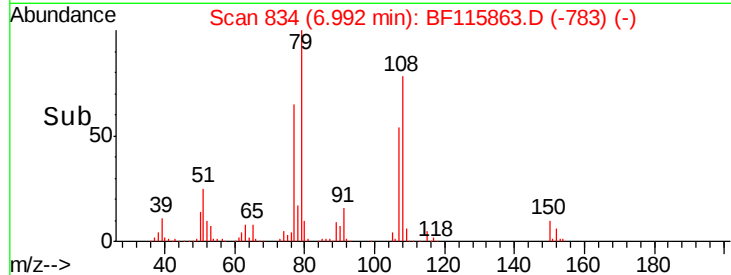
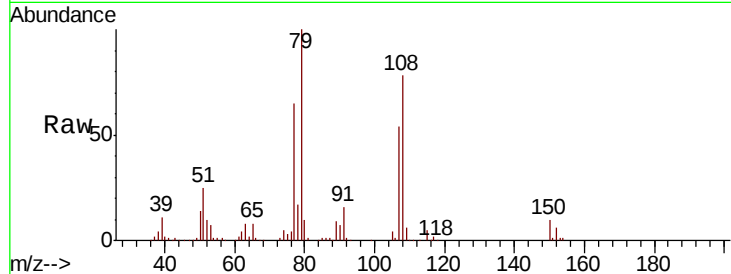
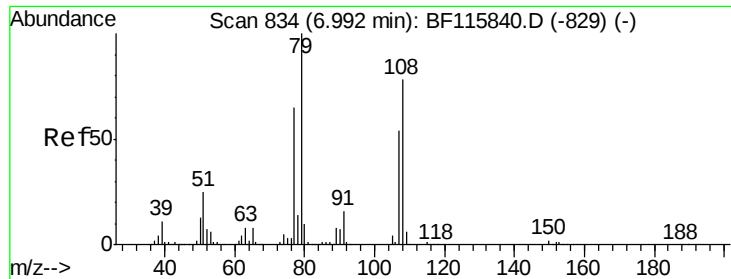
mohammad
 8/1/2019 5:06:29 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.254 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	44.0	33.6	50.4





#15

Benzyl Alcohol

Concen: 44.771 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tot Ion:	79	Resp:	369866
Ion Ratio	Lower	Upper	
79	100		
108	78.5	62.8	94.2
77	64.7	52.0	78.0

Instrument :

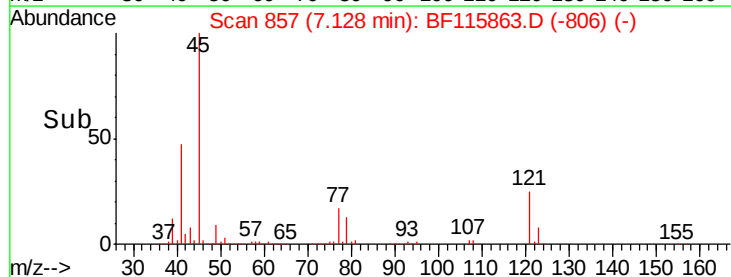
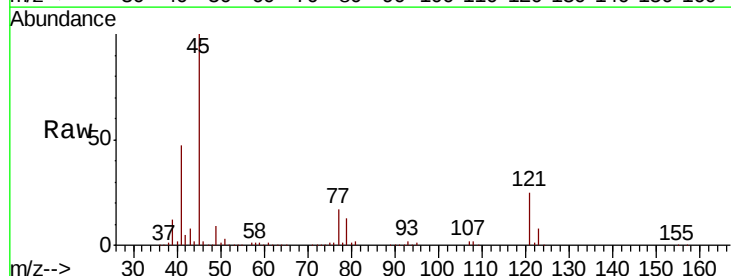
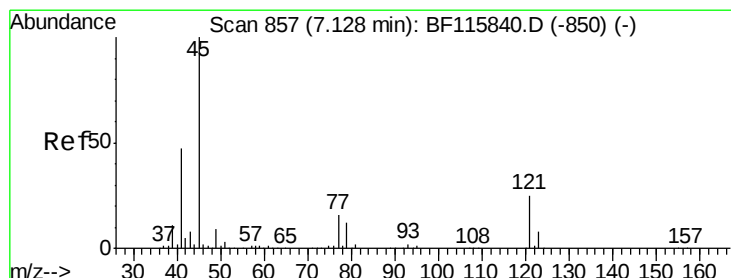
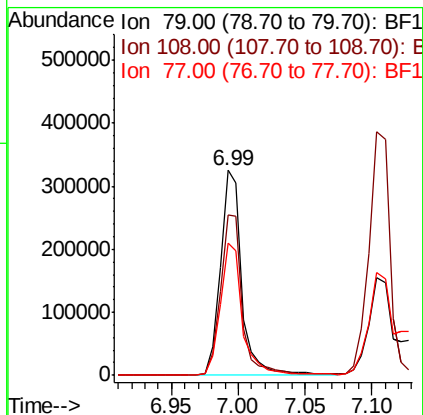
BNA_F

ClientSampleId :

PB121801BSD

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.343 ng

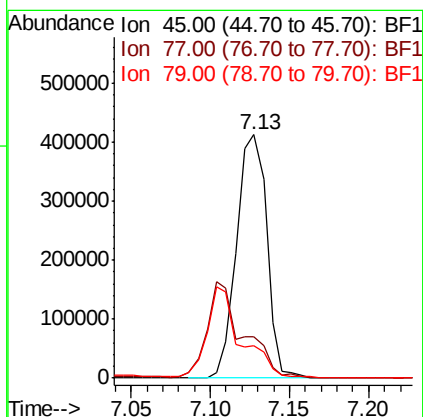
RT: 7.13 min Scan# 857

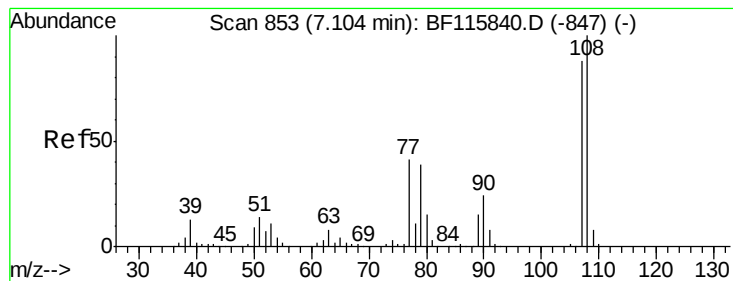
Delta R.T. -0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	45	Resp:	544339
Ion Ratio	Lower	Upper	
45	100		
77	16.9	0.0	36.3
79	13.2	0.0	32.5





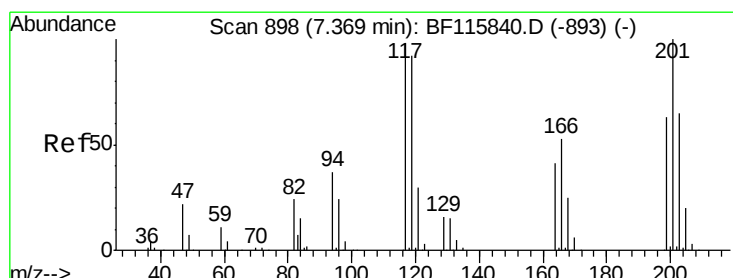
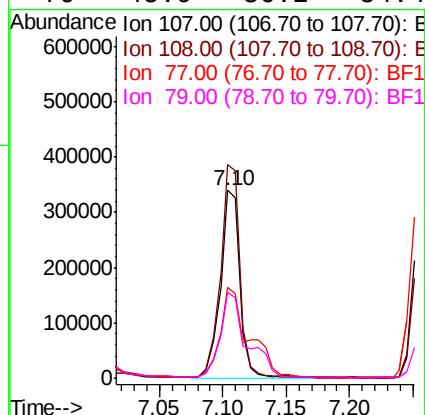
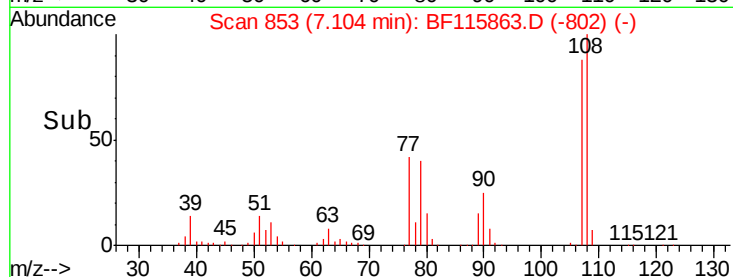
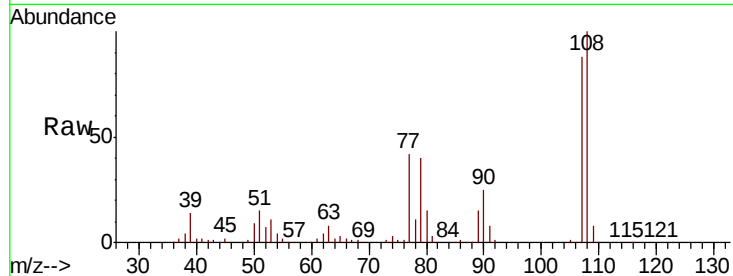
#17
2-Methylphenol
Concen: 45.119 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.8	91.4	137.0	
77	48.2	37.6	56.4	
79	45.9	36.2	54.4	

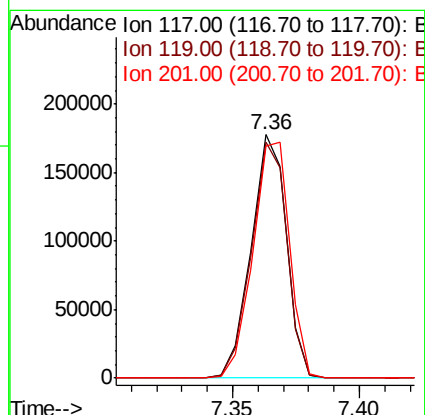
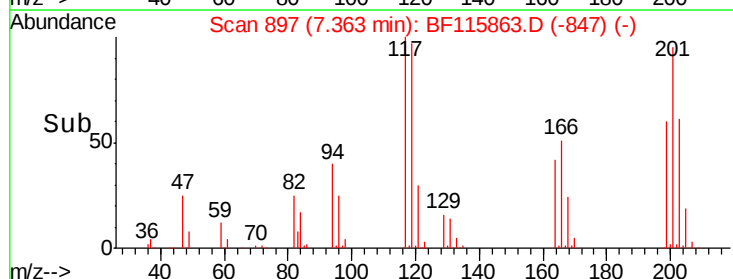
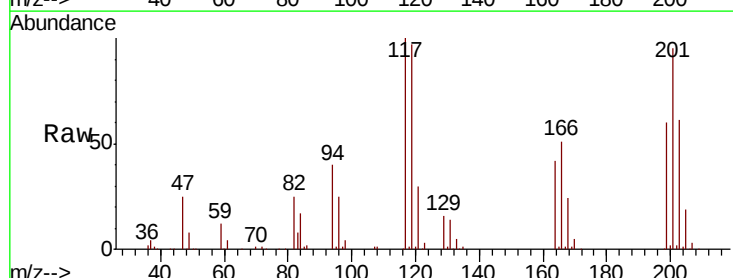
Manual Integrations
APPROVED

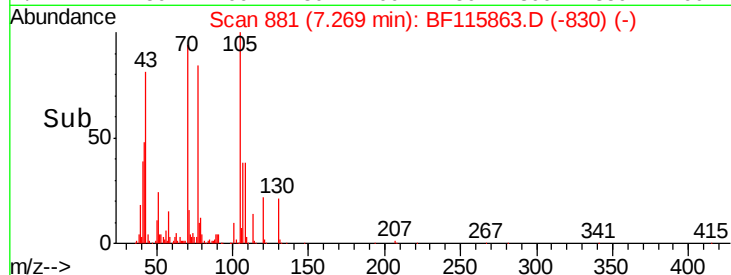
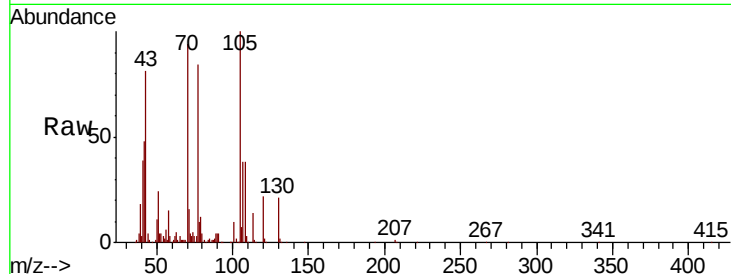
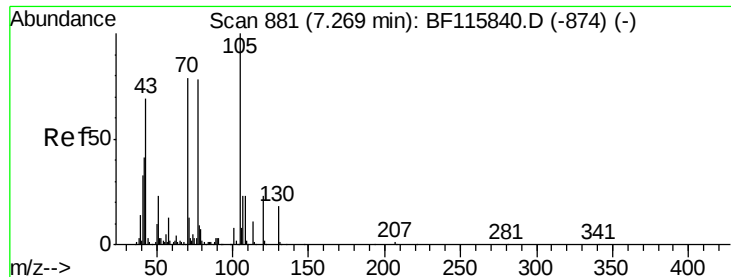
mohammad
8/1/2019 5:06:29 PM



#18
Hexachloroethane
Concen: 42.498 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	75.8	113.6	
201	95.2	82.0	123.0	





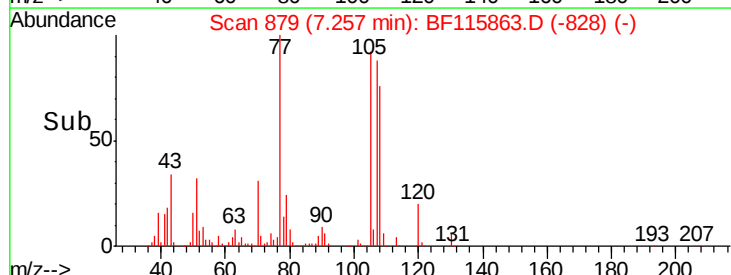
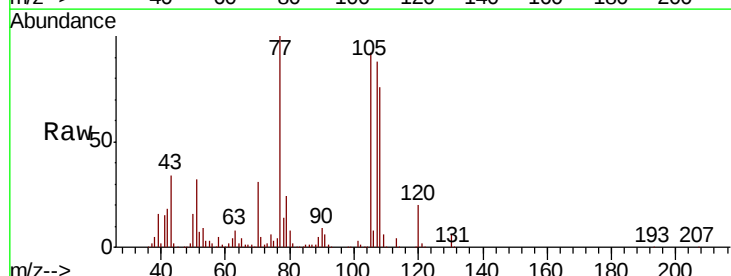
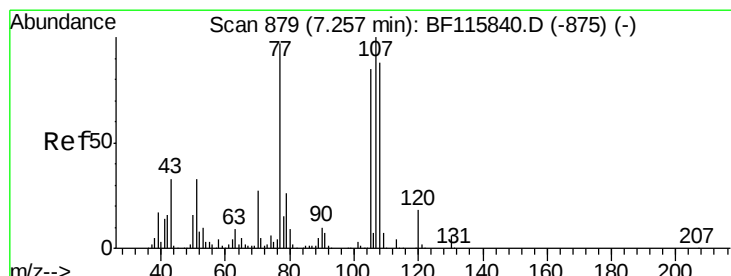
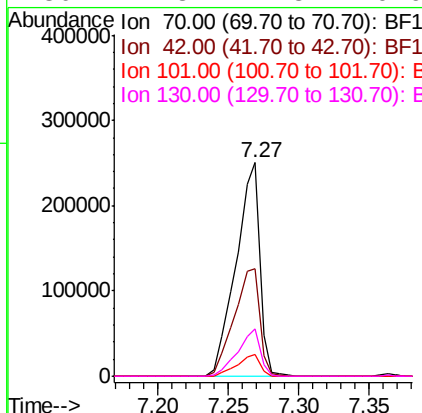
#19
n-Nitroso-di-n-propylamine
Concen: 43.581 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.5	41.8	62.8
101	10.1	7.7	11.5
130	22.3	17.8	26.6

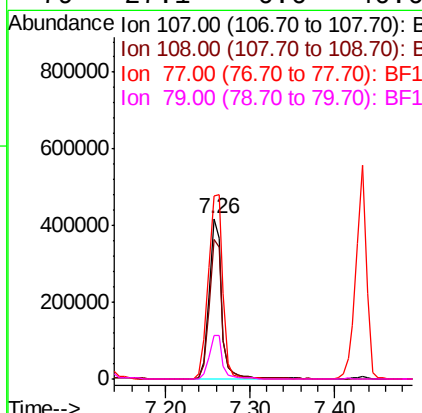
Manual Integrations
APPROVED

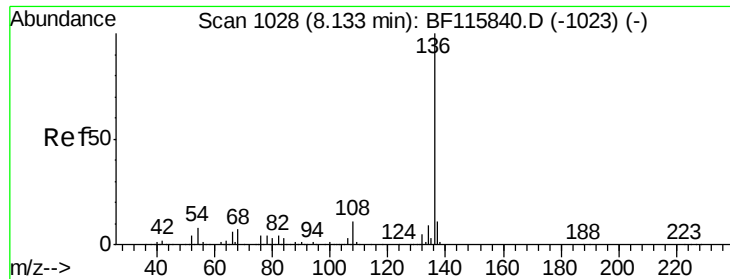
mohammad
8/1/2019 5:06:29 PM



#20
3+4-Methylphenols
Concen: 45.383 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.2	67.9	107.9
77	114.2	77.3	117.3
79	27.1	6.6	46.6





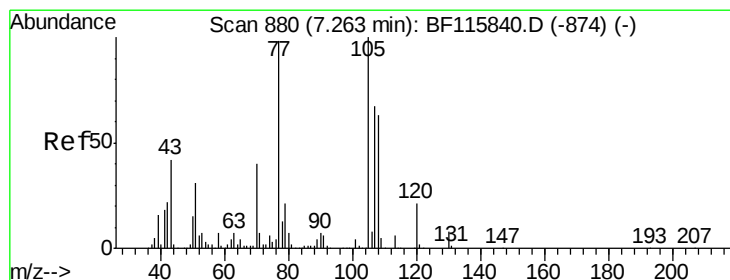
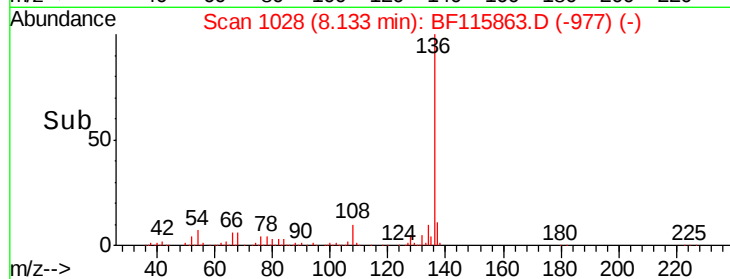
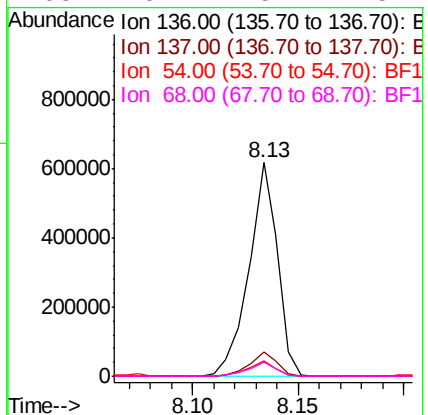
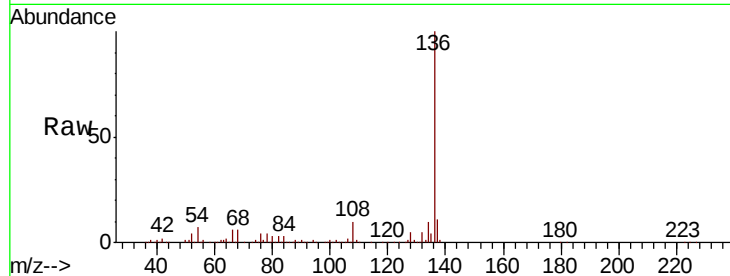
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	581607		
137	11.3		9.1	13.7
54	7.4		6.1	9.1
68	6.4		5.4	8.2

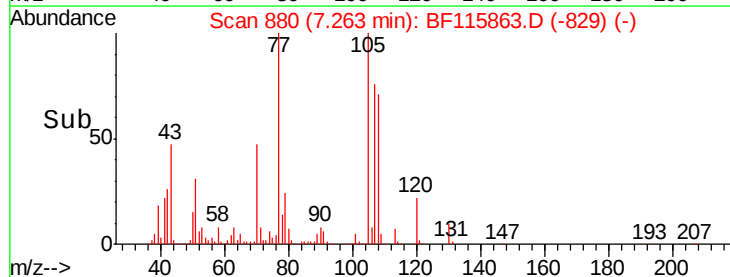
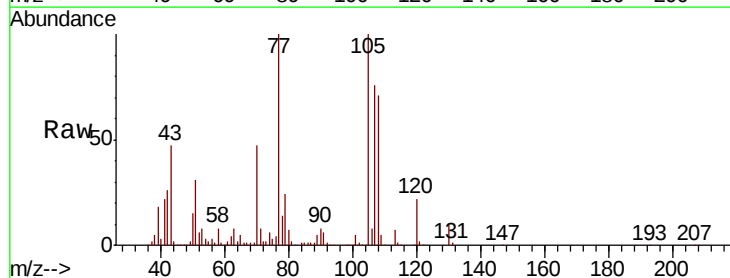
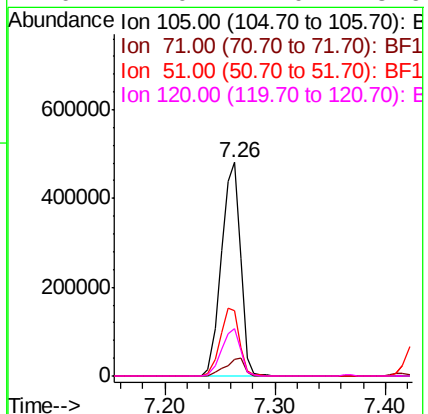
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#22
Acetophenone
Concen: 45.598 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	581618		
71	7.6		5.4	8.0
51	30.7		24.6	36.8
120	22.0		17.0	25.6





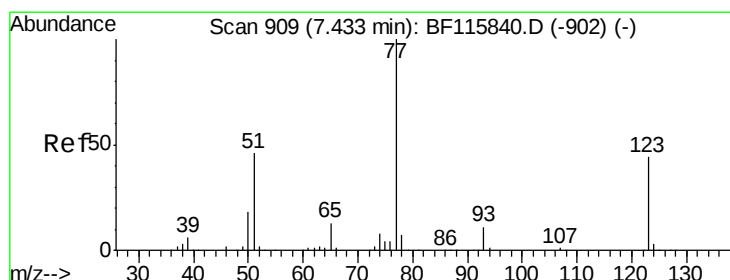
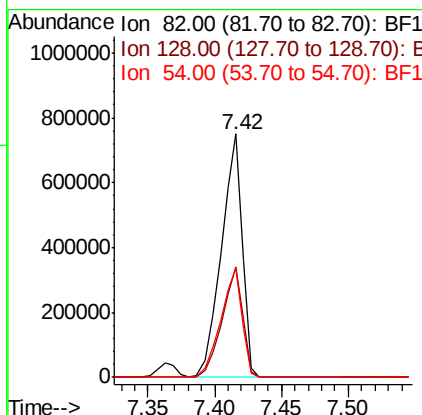
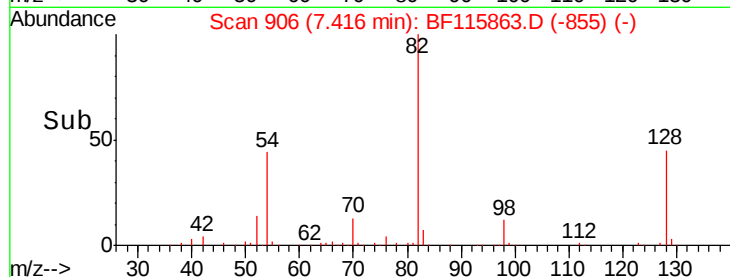
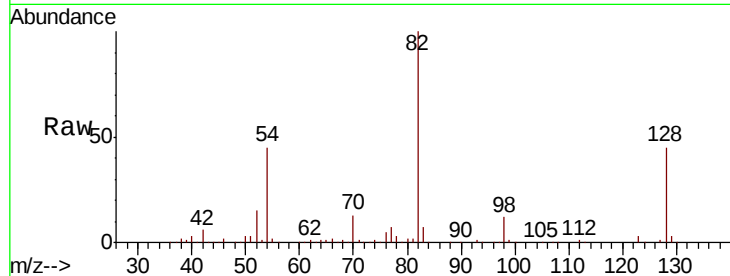
#23
Nitrobenzene-d5
Concen: 82.348 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.6	55.0
54	44.8	36.6	55.0

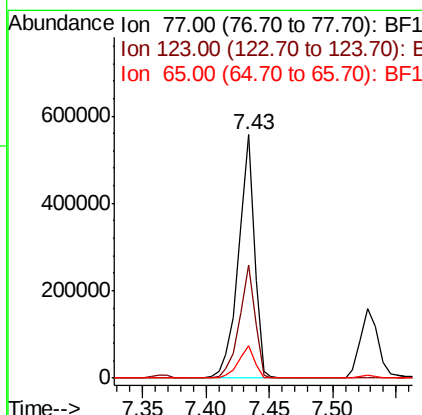
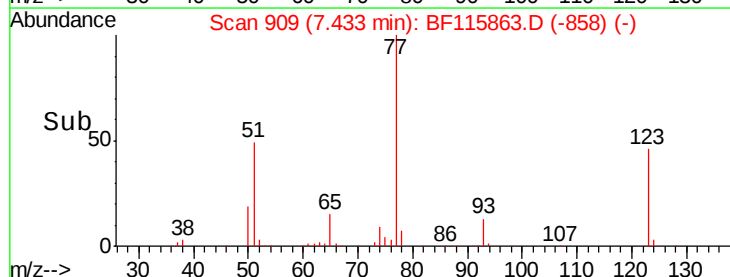
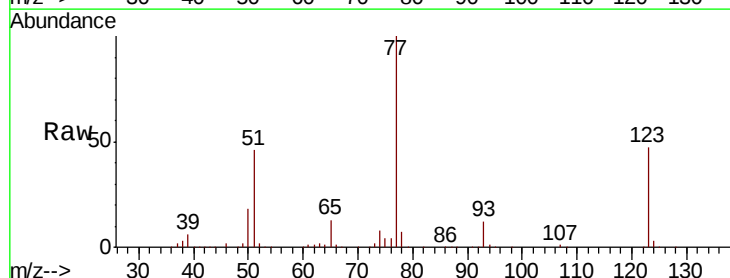
Manual Integrations
APPROVED

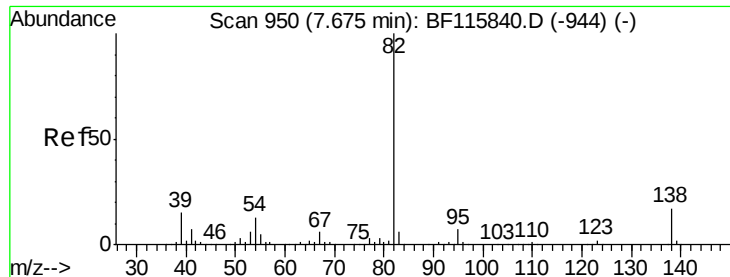
mohammad
8/1/2019 5:06:29 PM



#24
Nitrobenzene
Concen: 44.235 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.5	53.3
65	13.3	10.6	15.8





#25

Isophorone

Concen: 44.324 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

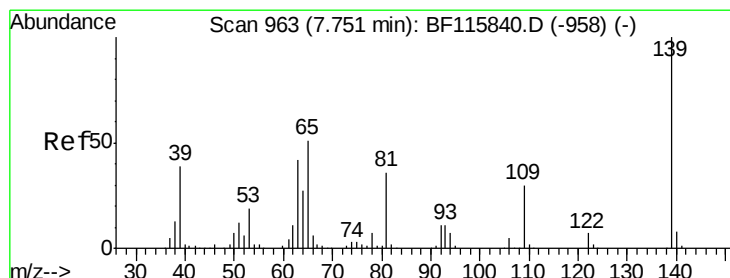
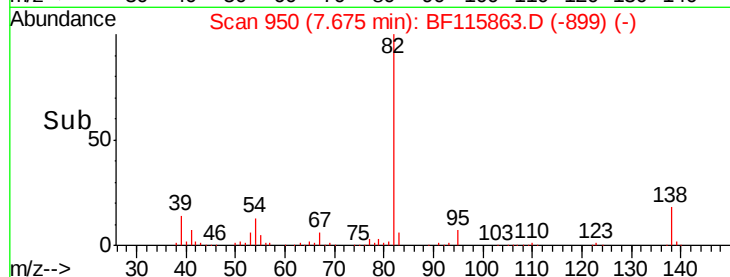
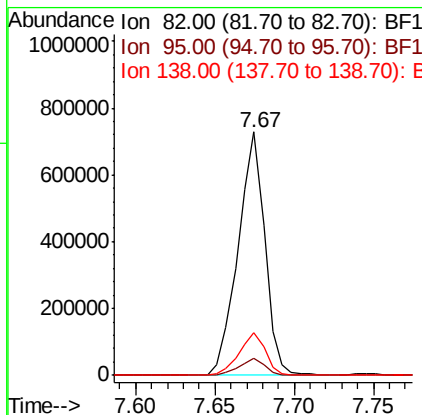
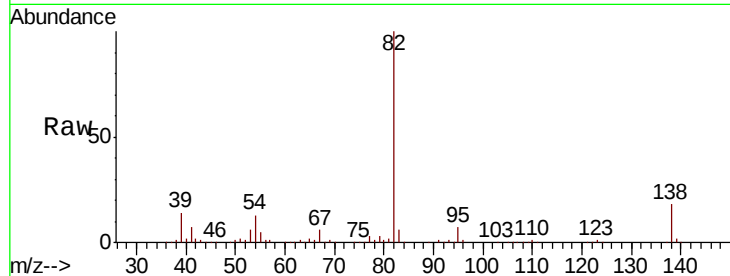
ClientSampleId :

PB121801BSD

Tot Ion:	82	Resp:	853972
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	17.6	13.9	20.9

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#26

2-Nitrophenol

Concen: 46.127 ng

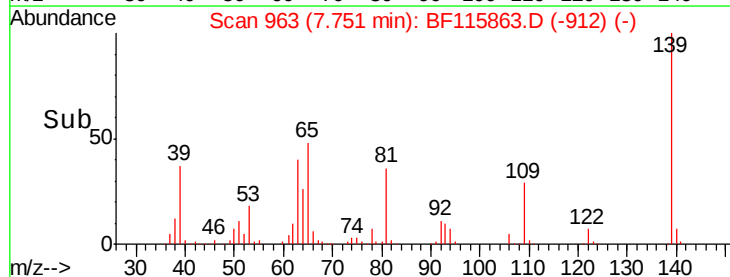
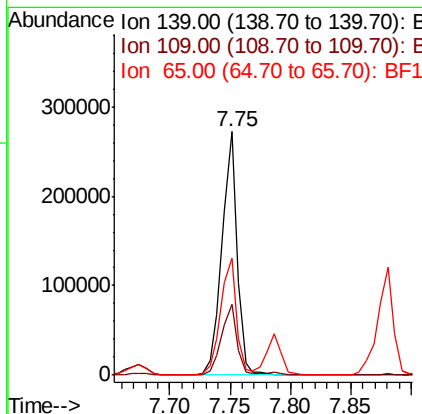
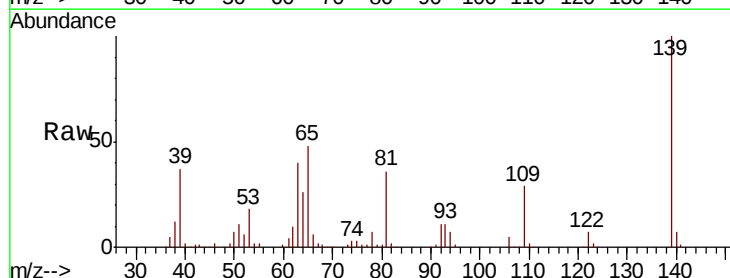
RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	139	Resp:	236556
Ion Ratio	Lower	Upper	
139	100		
109	28.9	23.6	35.4
65	48.1	40.6	60.8





#27

2,4-Dimethylphenol

Concen: 49.397 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

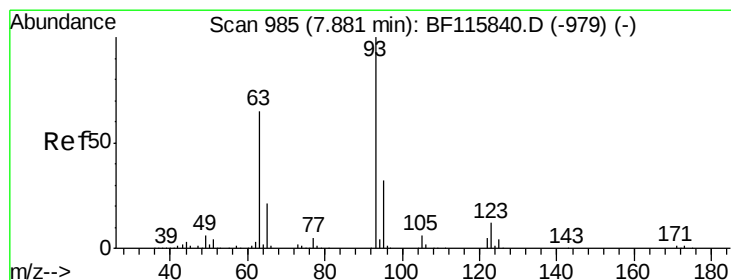
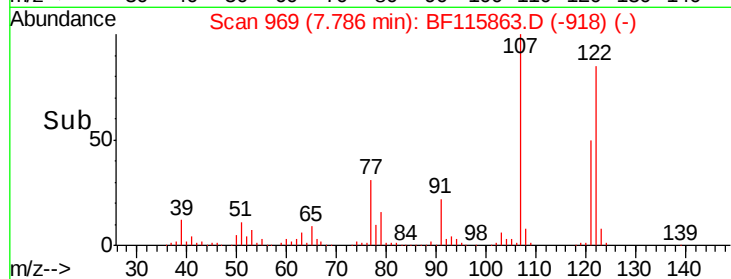
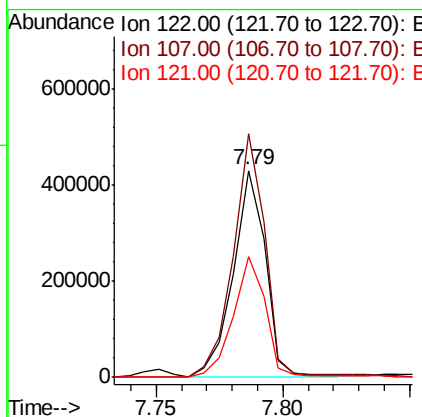
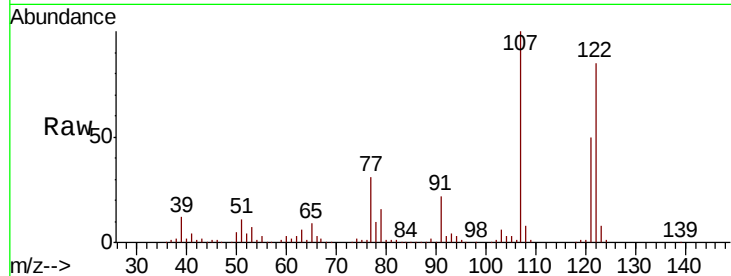
ClientSampleId :

PB121801BSD

Tot Ion:	122	Resp:	381129
Ion Ratio	Lower	Upper	
122	100		
107	117.9	91.7	137.5
121	58.4	46.6	70.0

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#28

bis(2-Chloroethoxy)methane

Concen: 42.958 ng

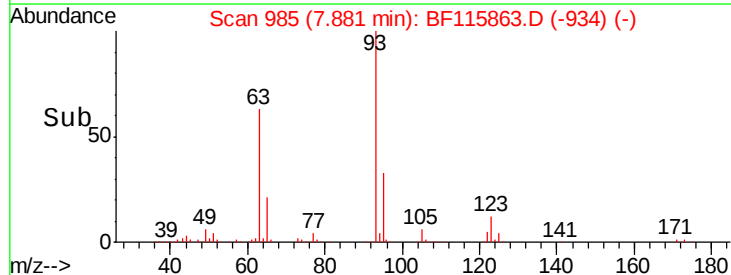
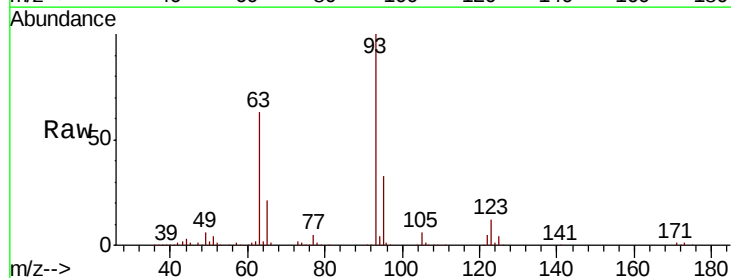
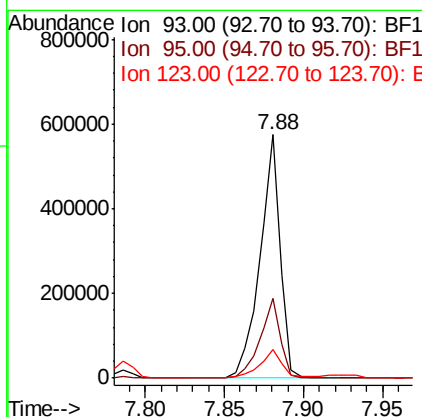
RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	93	Resp:	512991
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.0	39.0
123	11.5	9.5	14.3





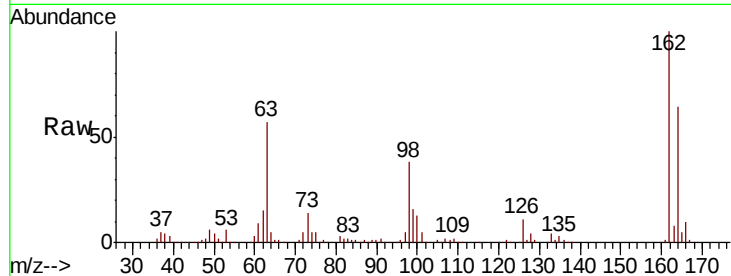
#29
2,4-Dichlorophenol
Concen: 45.237 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.4	43.2	83.2
98	37.5	17.3	57.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

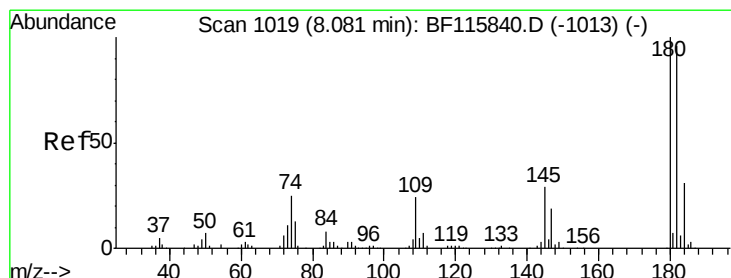
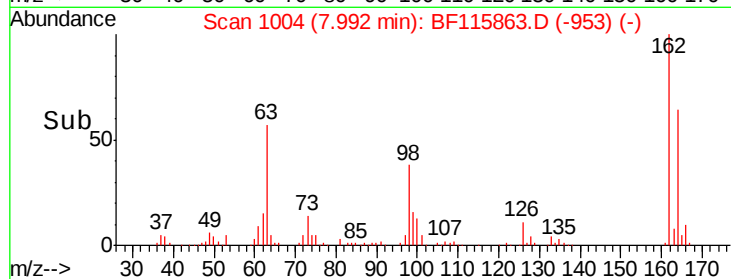
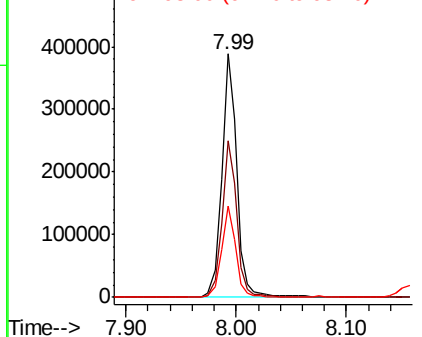


Abundance

Ion 162.00 (161.70 to 162.70): E

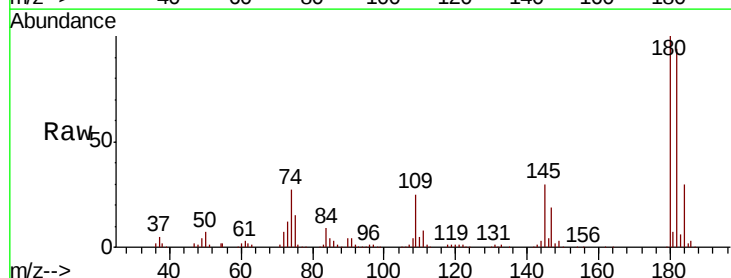
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 43.735 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	76.6	114.8
145	29.9	23.2	34.8

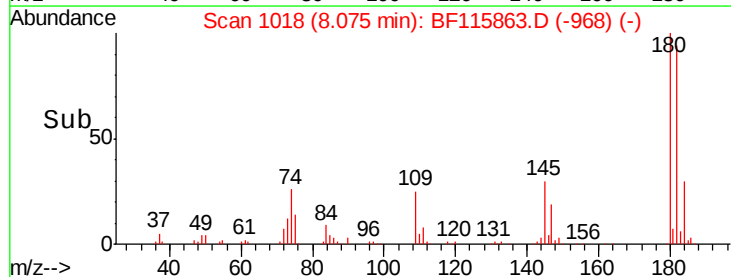
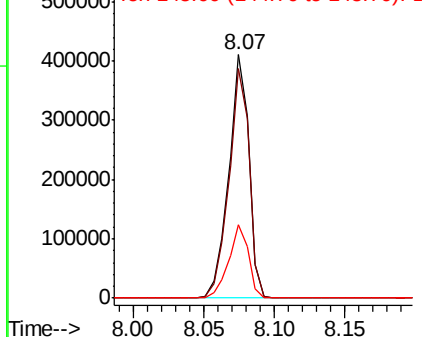


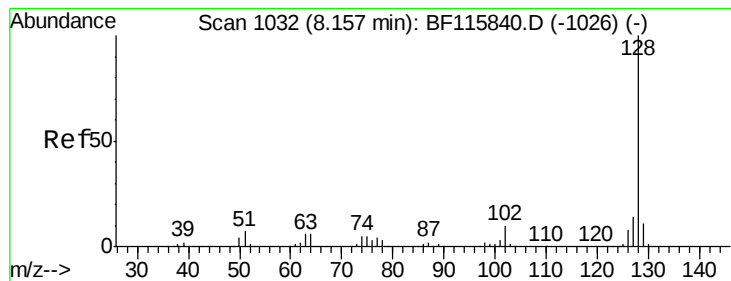
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.287 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

ClientSampleId :

PB121801BSD

Tot Ion:128 Resp: 1239473

Ion Ratio Lower Upper

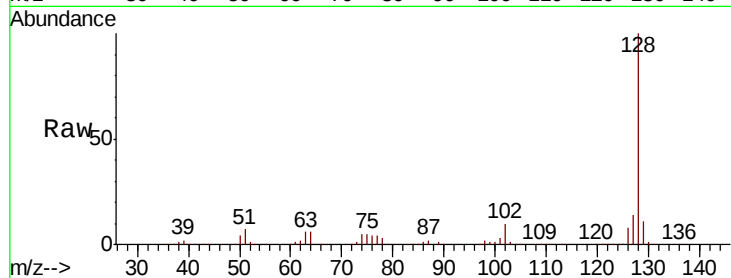
128 100

129 11.3 9.2 13.8

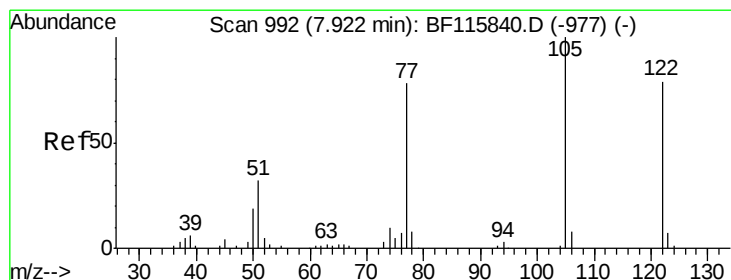
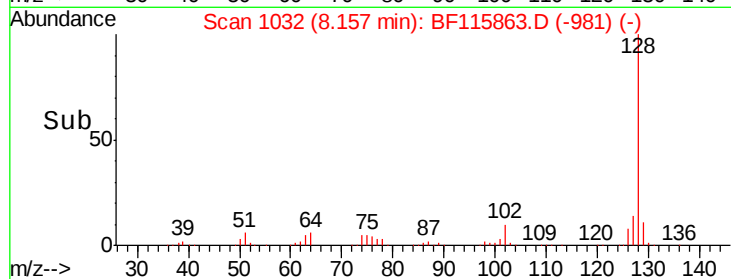
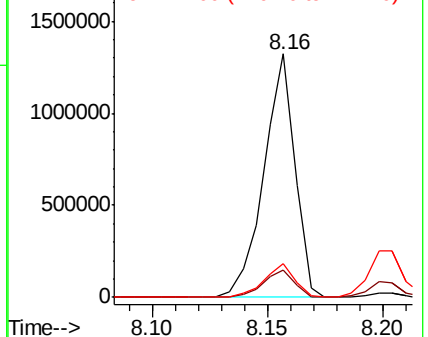
127 13.9 11.0 16.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 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: 46.843 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

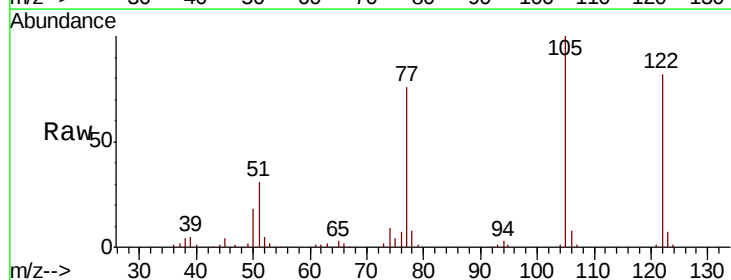
Tgt Ion:122 Resp: 254814

Ion Ratio Lower Upper

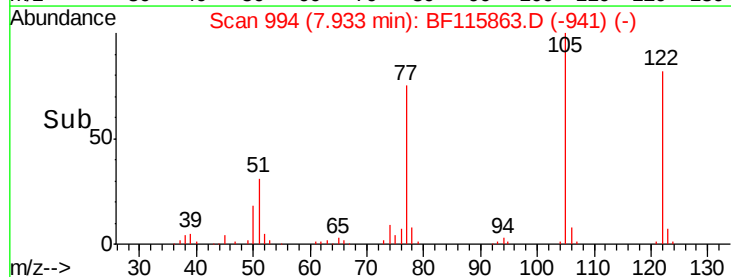
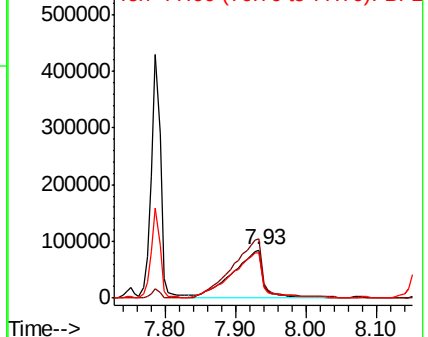
122 100

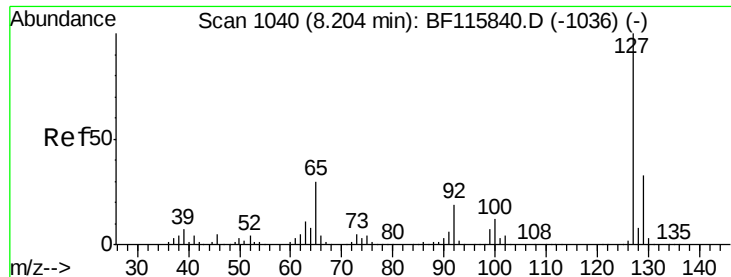
105 122.7 103.1 143.1

77 92.9 76.8 116.8



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





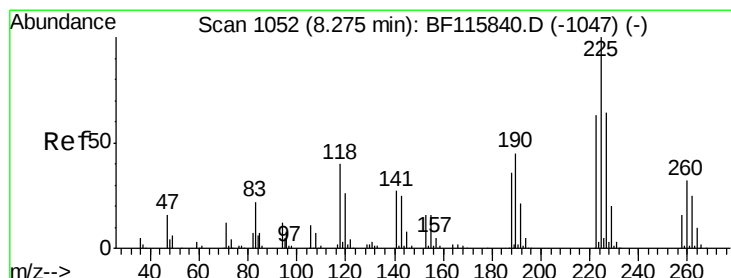
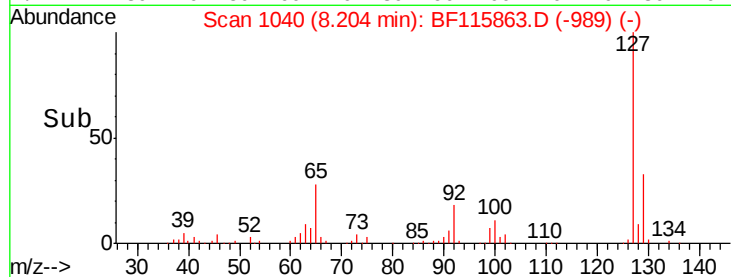
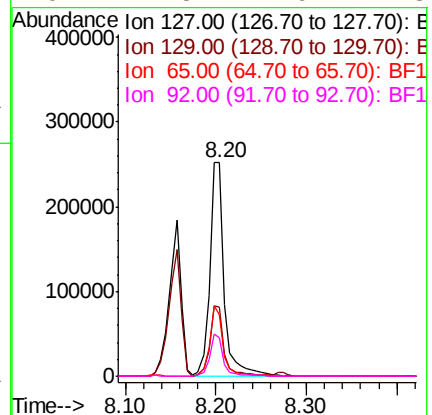
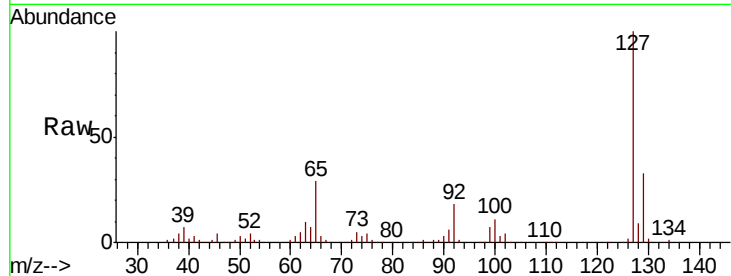
#33
4-Chloroaniline
Concen: 23.337 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	285378		
129	32.6		26.0	39.0
65	28.6		23.9	35.9
92	17.8		14.9	22.3

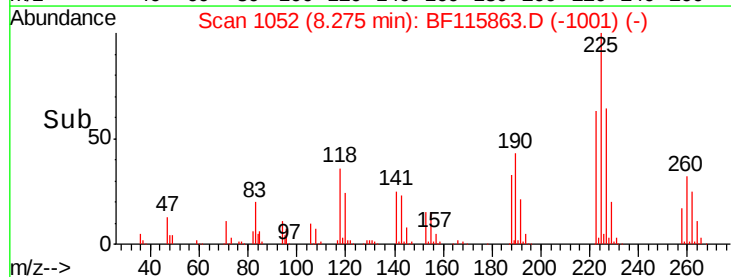
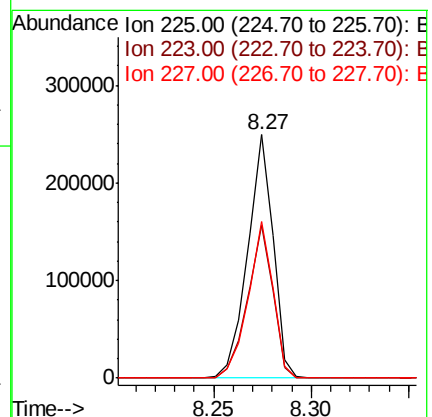
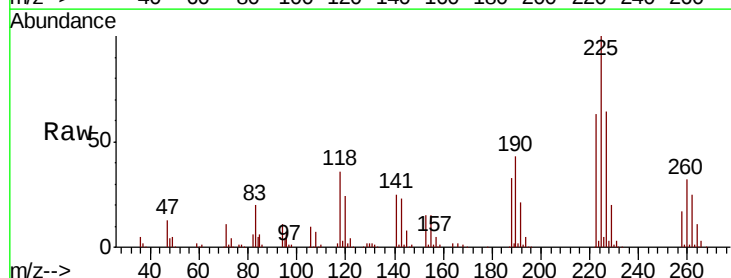
Manual Integrations
APPROVED

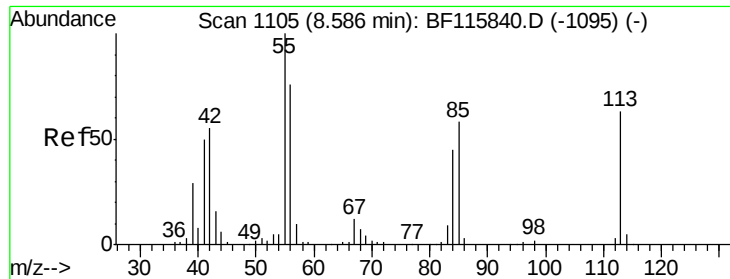
mohammad
8/1/2019 5:06:29 PM



#34
Hexachlorobutadiene
Concen: 42.183 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	225635		
223	62.8		50.4	75.6
227	64.4		51.6	77.4





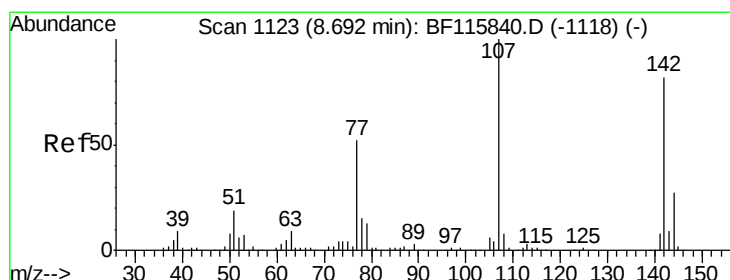
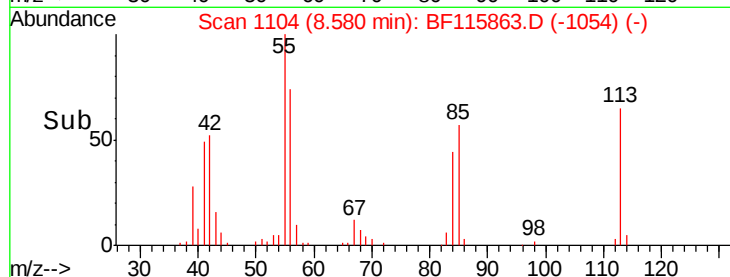
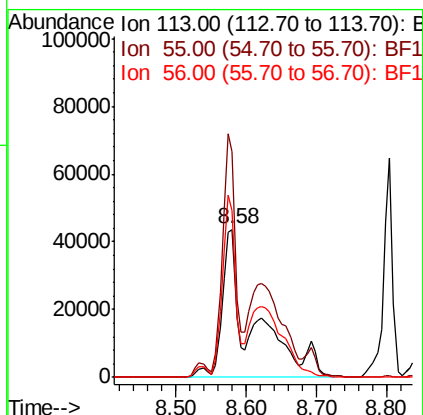
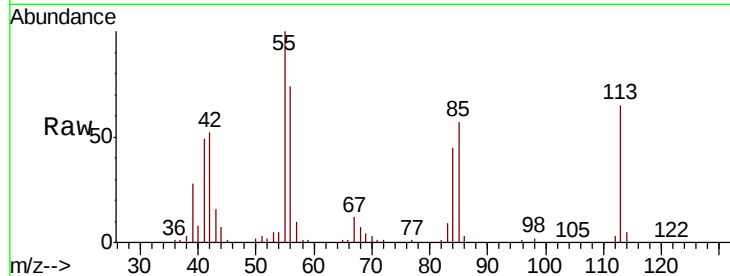
#35
Caprolactam
Concen: 48.988 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleID :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.0	138.1	178.1
56	113.4	100.6	140.6

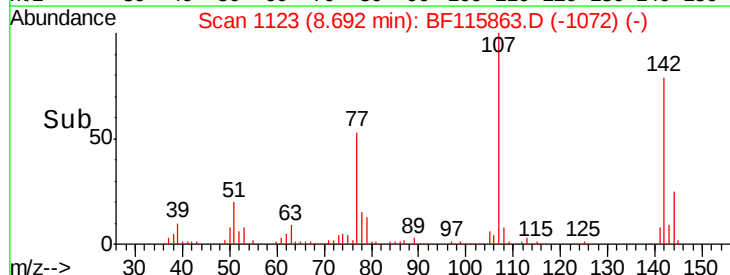
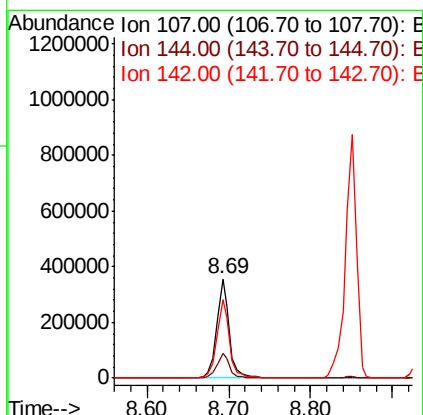
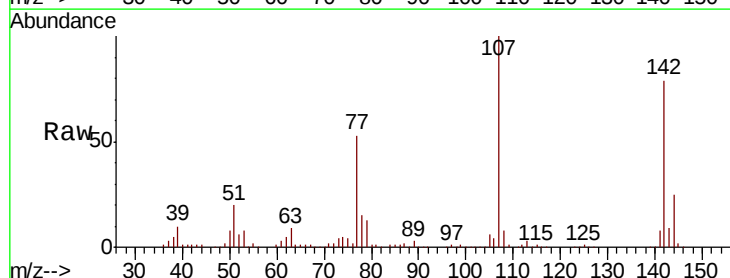
Manual Integrations
APPROVED

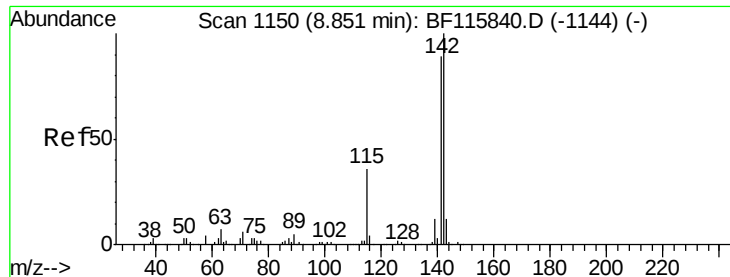
mohammad
8/1/2019 5:06:29 PM



#36
4-Chloro-3-methylphenol
Concen: 45.441 ng/ml
RT: 8.69 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.4	32.0
142	79.4	65.5	98.3





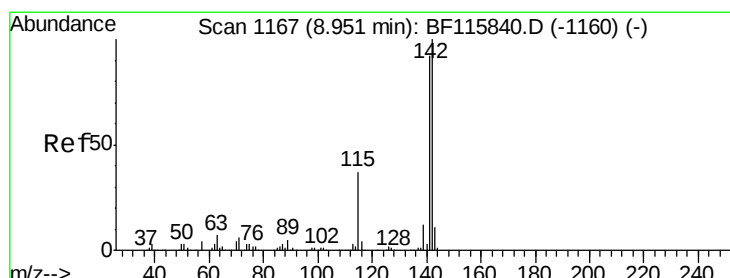
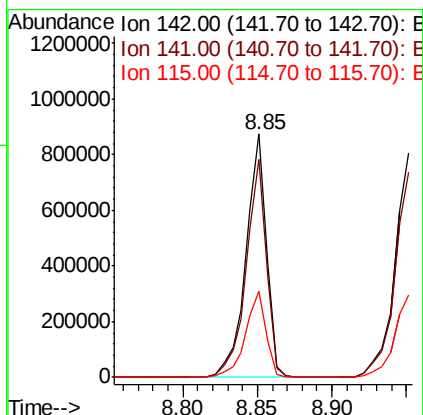
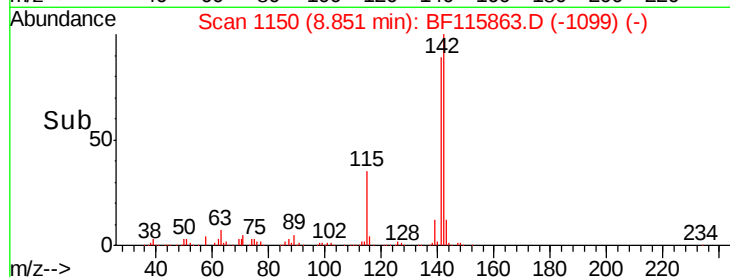
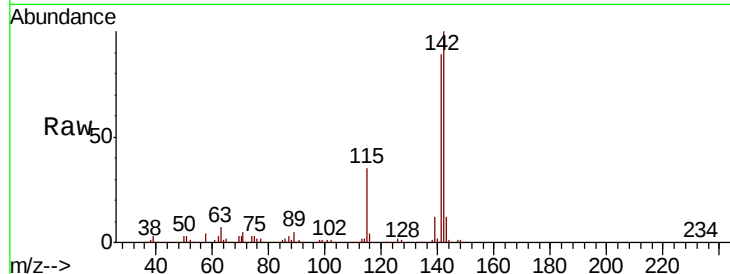
#37
 2-Methylnaphthalene
 Concen: 45.886 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	35.4	28.9	43.3

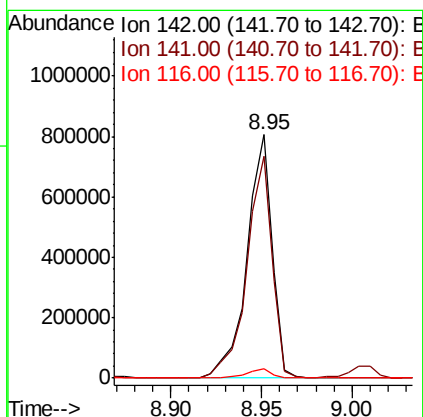
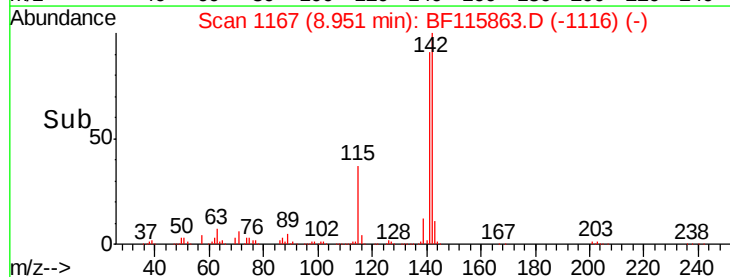
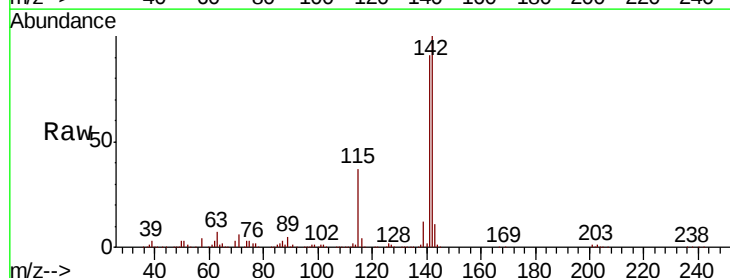
Manual Integrations
 APPROVED

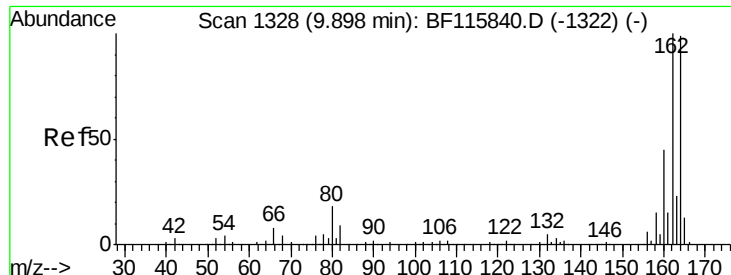
mohammad
 8/1/2019 5:06:29 PM



#38
 1-Methylnaphthalene
 Concen: 45.376 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.6
116	3.7	3.1	4.7





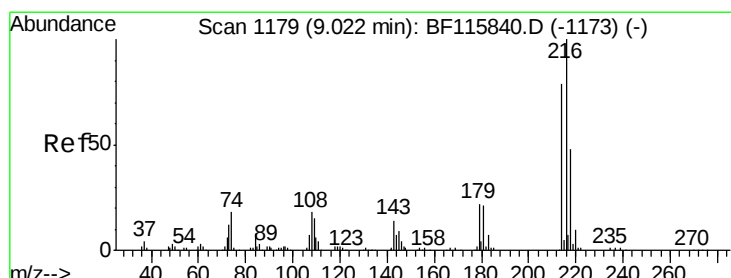
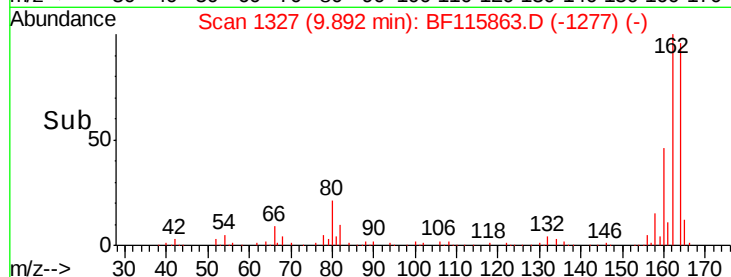
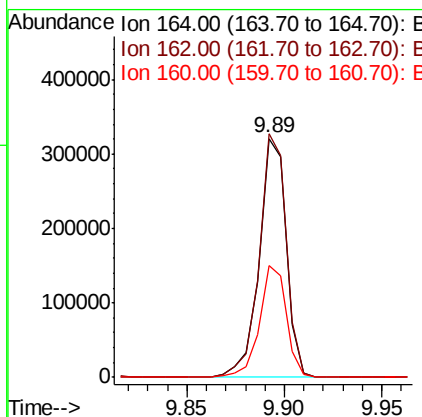
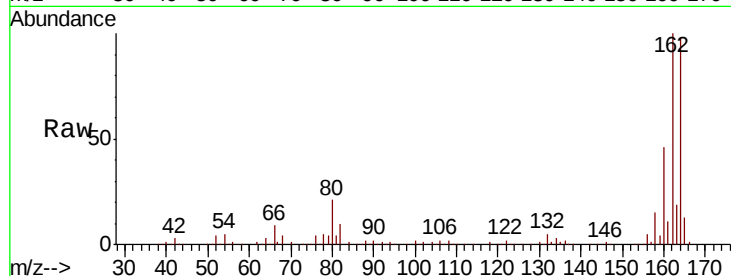
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.8	121.2
160	46.7	36.2	54.4

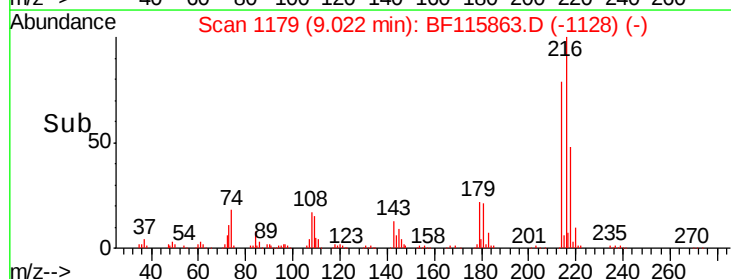
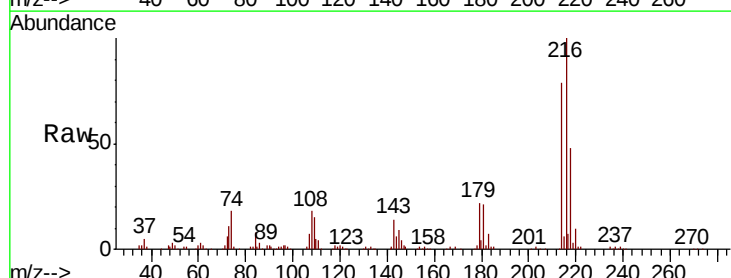
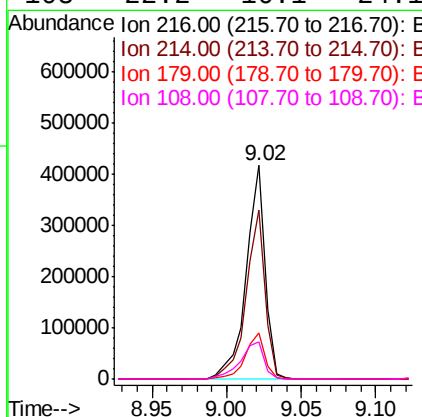
Manual Integrations
APPROVED

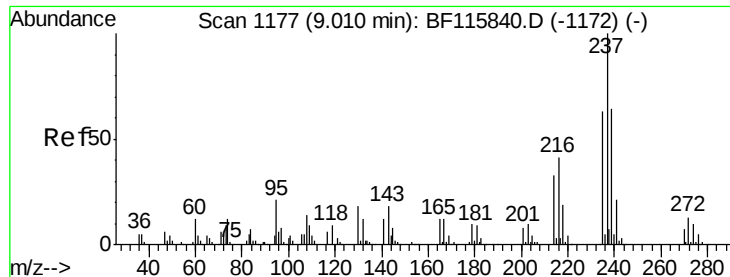
mohammad
8/1/2019 5:06:29 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.196 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.8	94.2
179	22.2	17.6	26.4
108	22.2	16.1	24.1





#41

Hexachlorocyclopentadiene

Concen: 85.857 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

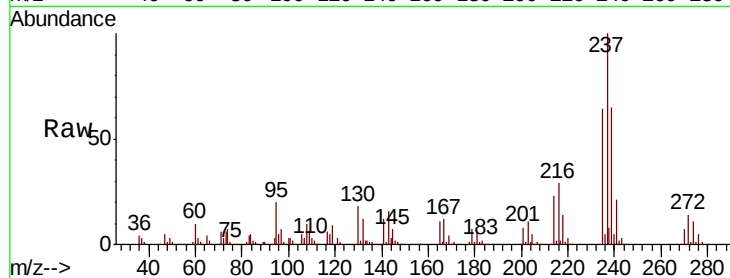
ClientSampleId :

PB121801BSD

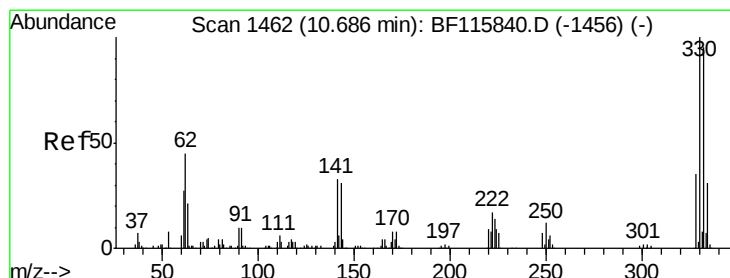
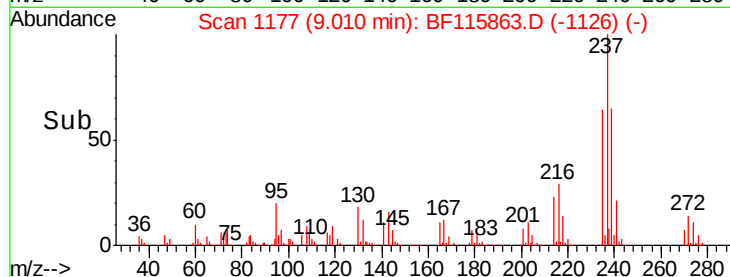
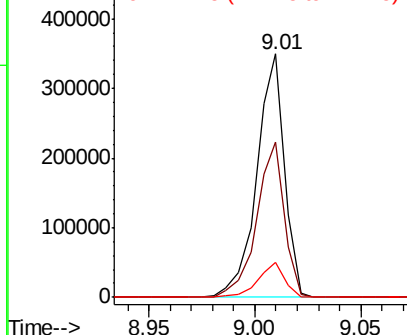
Tot Ion:	237	Resp:	319318
Ion Ratio	Lower	Upper	
237	100		
235	63.9	42.5	82.5
272	14.2	0.0	33.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 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: 116.601 ng

RT: 10.69 min Scan# 1462

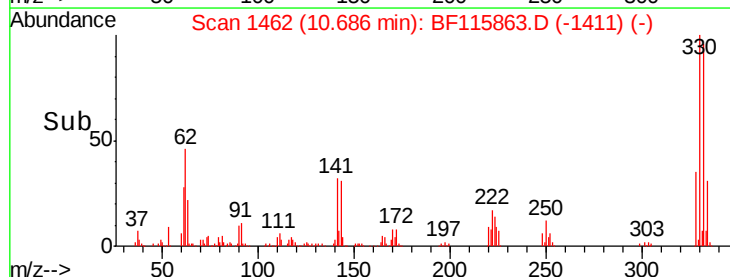
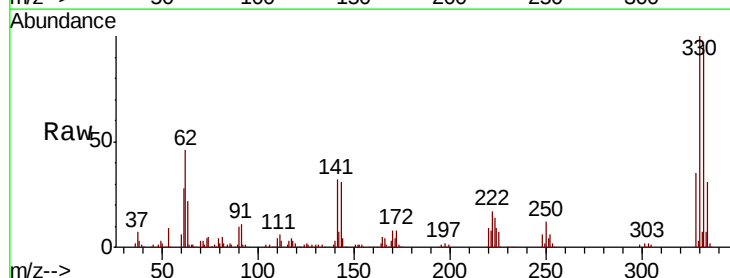
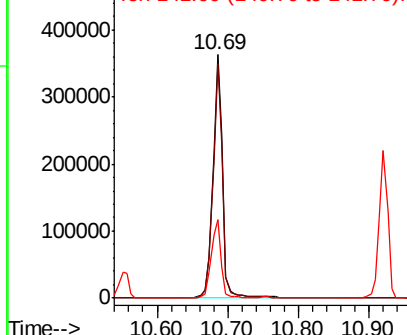
Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	330	Resp:	348423
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.7	116.5
141	33.0	28.1	42.1

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





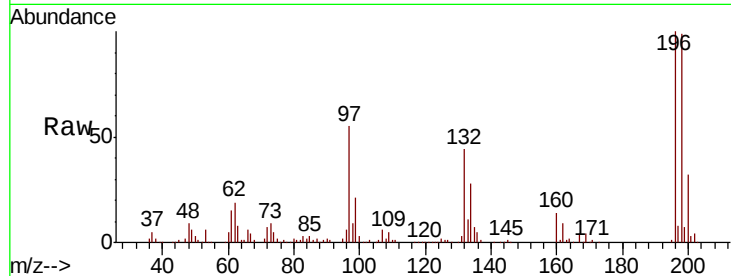
#43
 2,4,6-Trichlorophenol
 Concen: 42.466 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	240844		
198	99.3	79.1	118.7	
200	32.4	26.0	39.0	

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM

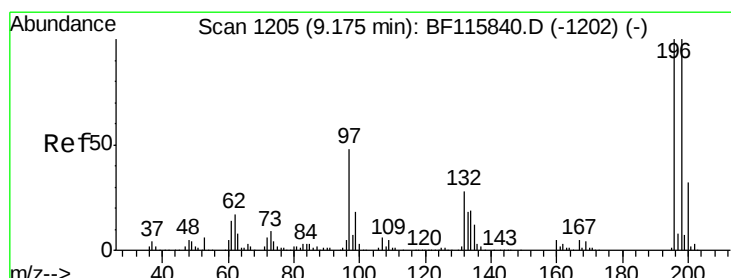
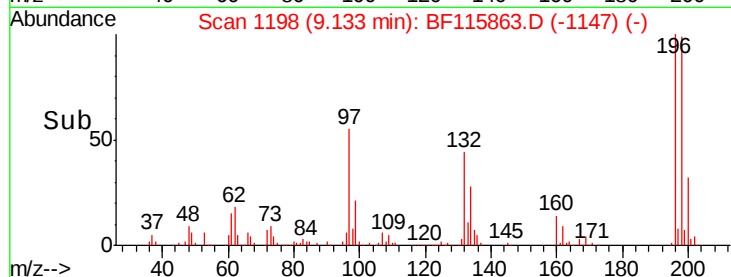
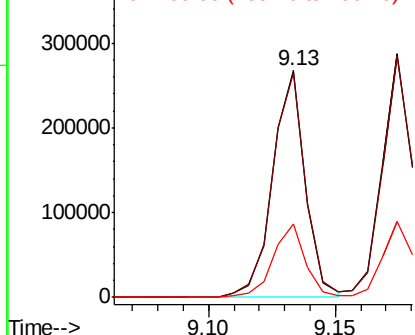


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 44.749 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	262343		
198	98.9	80.1	120.1	
97	49.7	38.9	58.3	
132	28.7	22.6	33.8	

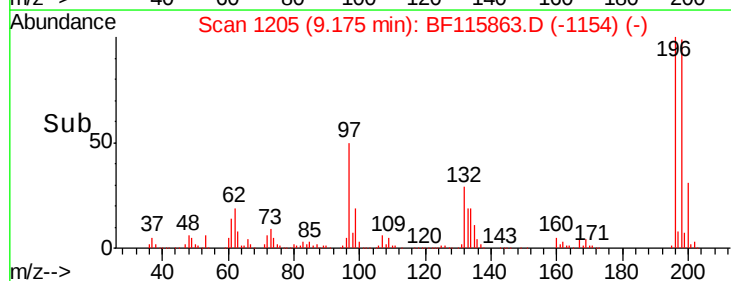
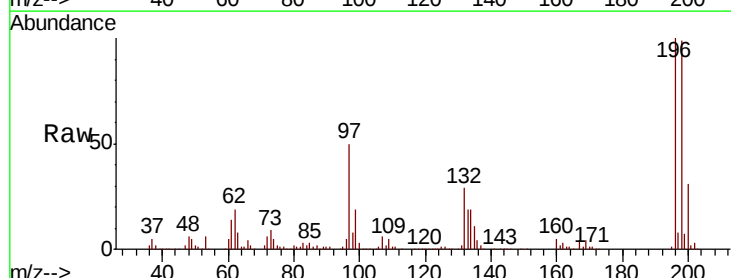
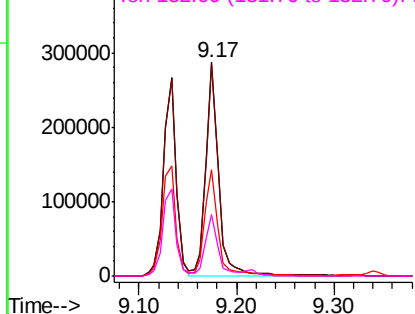
Abundance

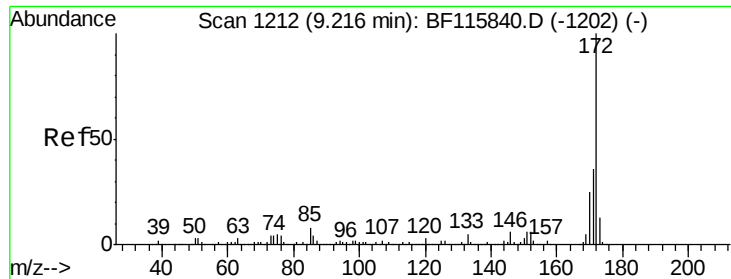
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





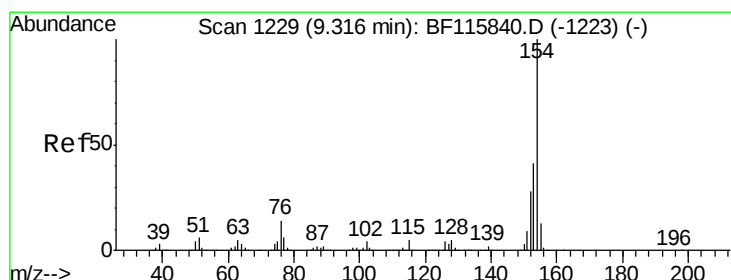
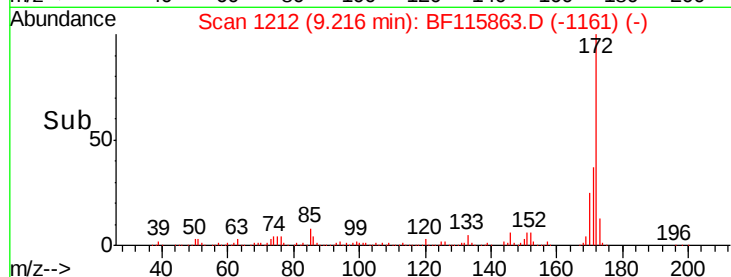
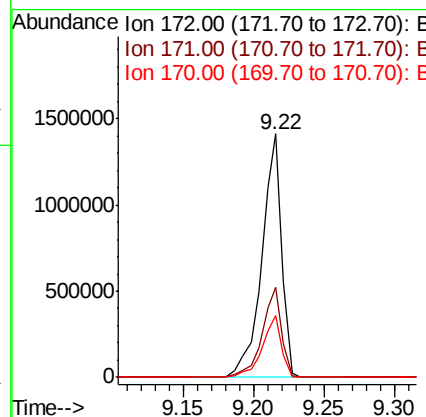
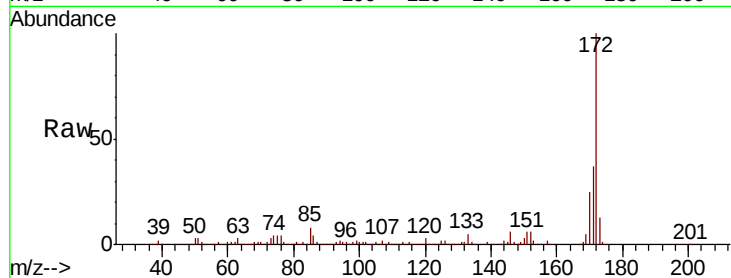
#45
2-Fluorobiphenyl
Concen: 85.143 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.1	43.7
170	25.2	20.1	30.1

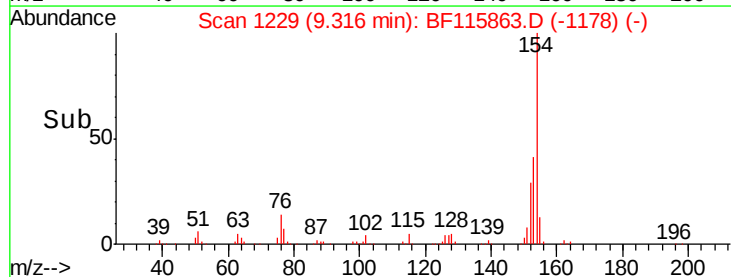
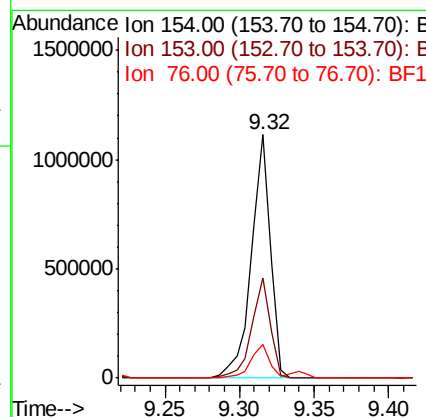
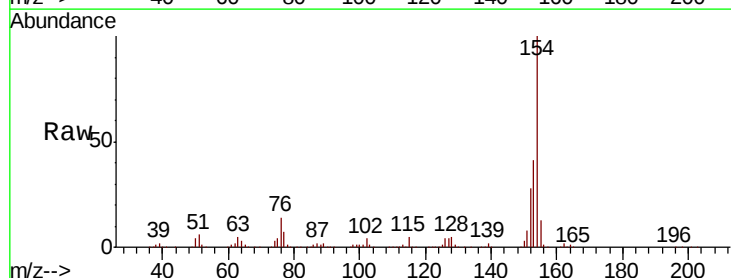
Manual Integrations
APPROVED

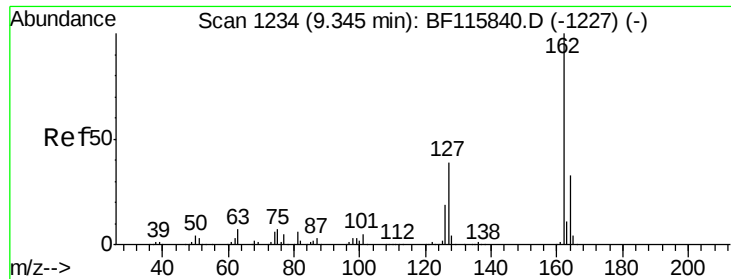
mohammad
8/1/2019 5:06:29 PM



#46
1,1'-Biphenyl
Concen: 45.009 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	13.7	0.0	34.3





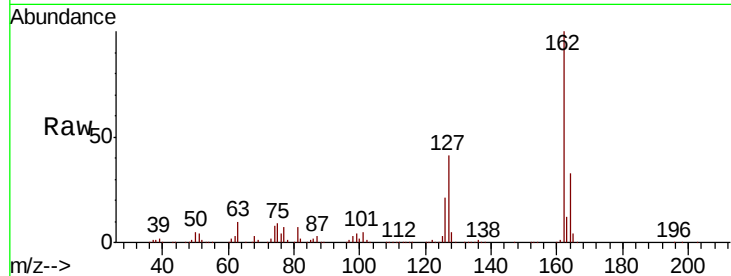
#47
 2-Chloronaphthalene
 Concen: 42.920 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

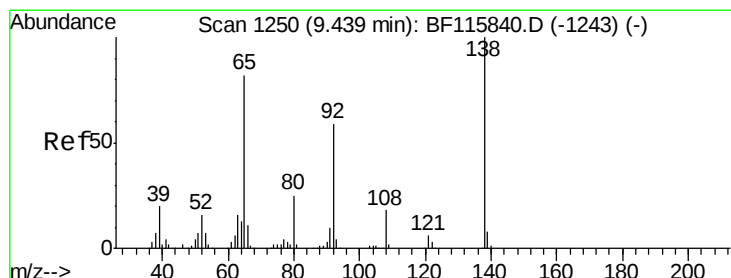
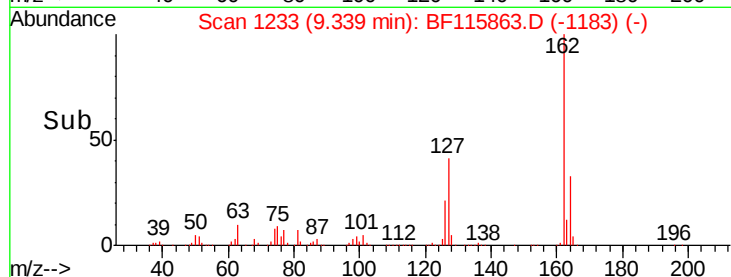
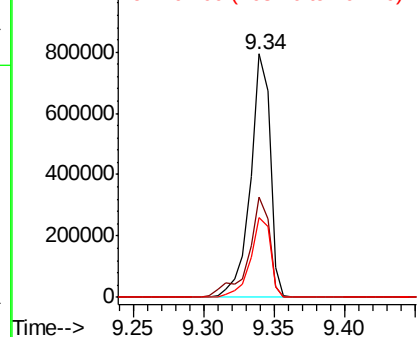
Tot Ion	Ratio	Resp	Lower	Upper
162	100	777299		
127	41.3		31.3	46.9
164	32.8		26.6	40.0

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM

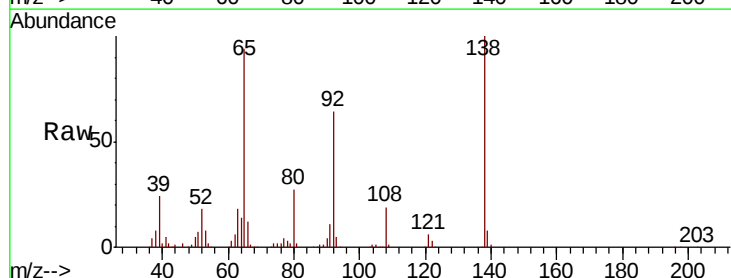


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

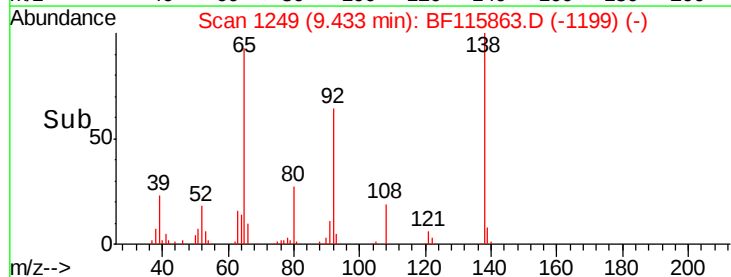
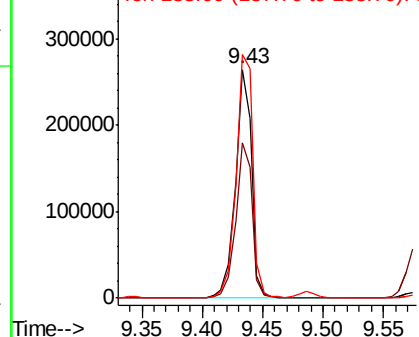


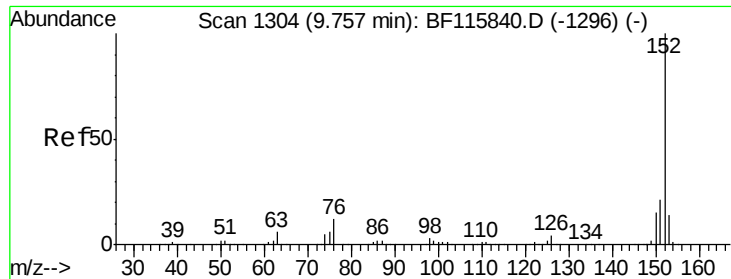
#48
 2-Nitroaniline
 Concen: 41.191 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	246575		
92	68.1		57.1	85.7
138	106.6		97.1	145.7



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: 45.268 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

ClientSampleId :

PB121801BSD

Tot Ion:152 Resp: 1196033

Ion Ratio Lower Upper

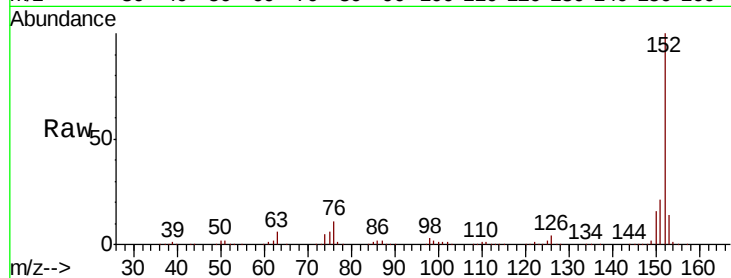
152 100

151 21.2 16.8 25.2

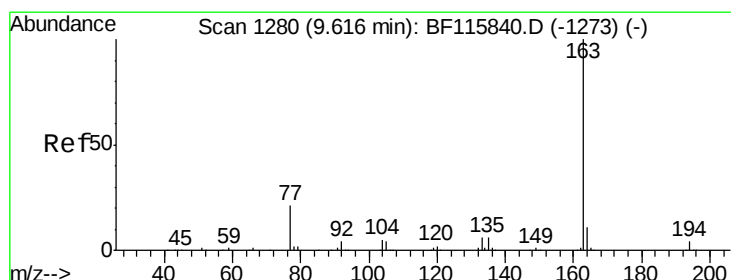
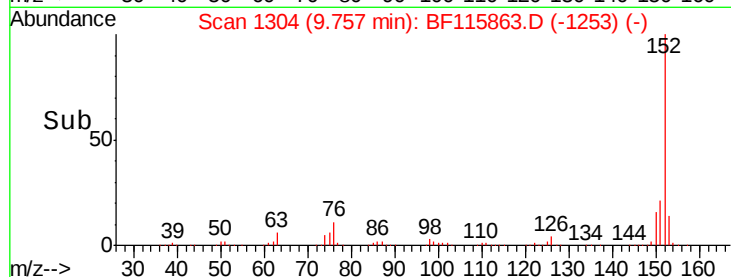
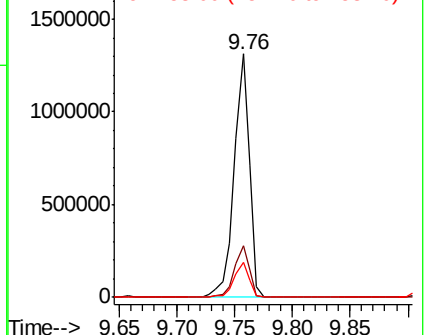
153 14.3 11.6 17.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 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: 41.859 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

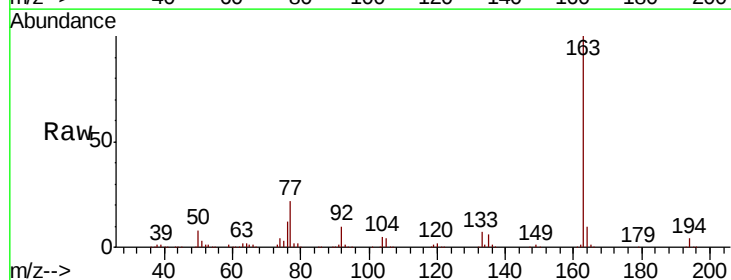
Tgt Ion:163 Resp: 878430

Ion Ratio Lower Upper

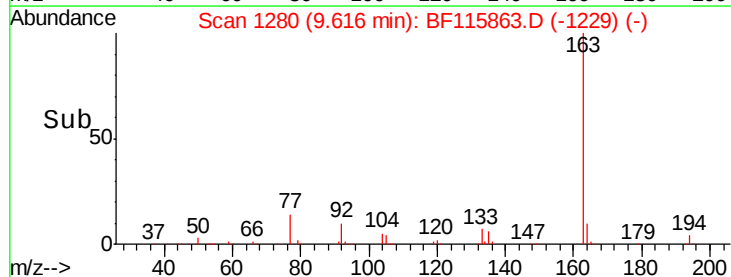
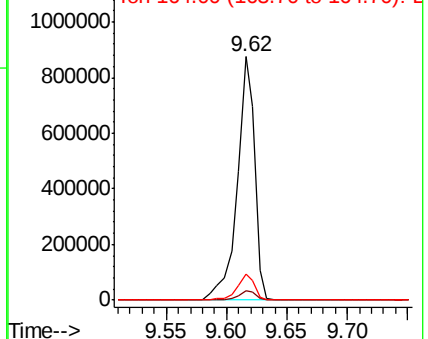
163 100

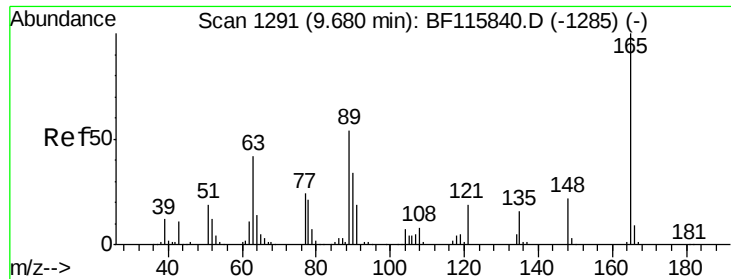
194 3.6 3.0 4.6

164 10.5 8.4 12.6



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: 43.759 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

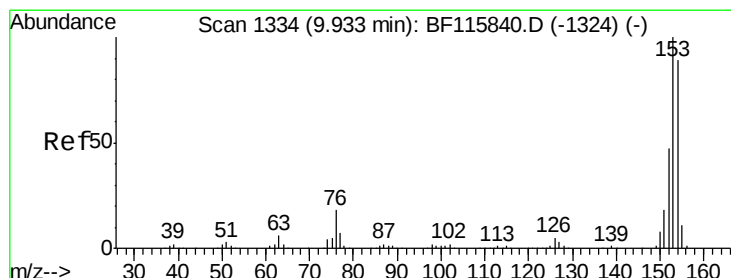
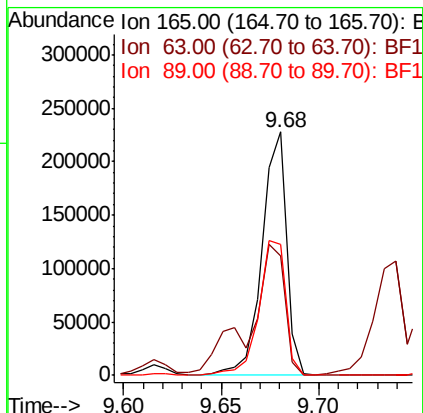
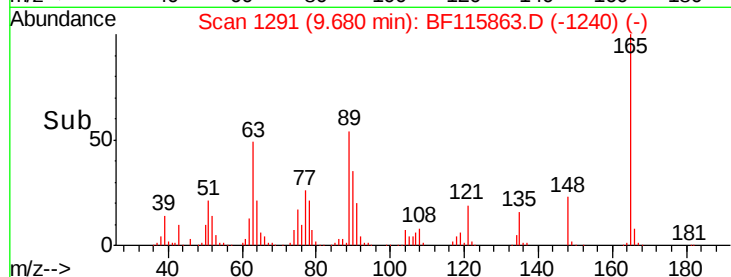
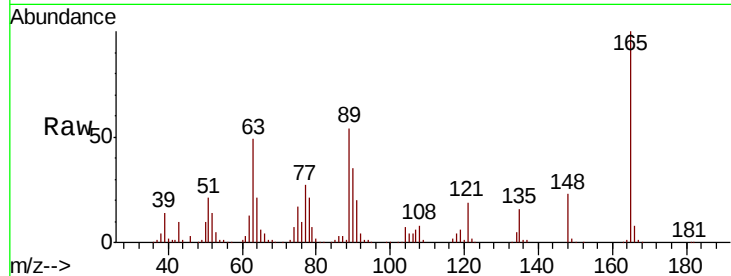
ClientSampleId :

PB121801BSD

Tot Ion:	165	Resp:	199564
Ion Ratio	Lower	Upper	
165	100		
63	48.9	39.4	59.2
89	53.7	43.0	64.6

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#52

Acenaphthene

Concen: 43.858 ng

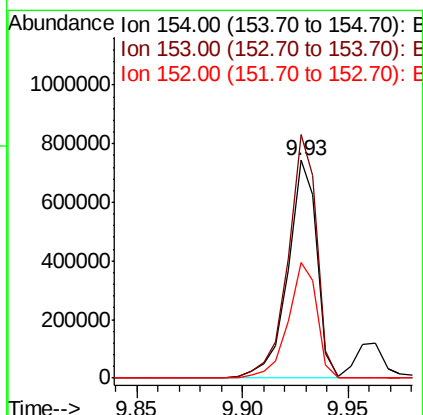
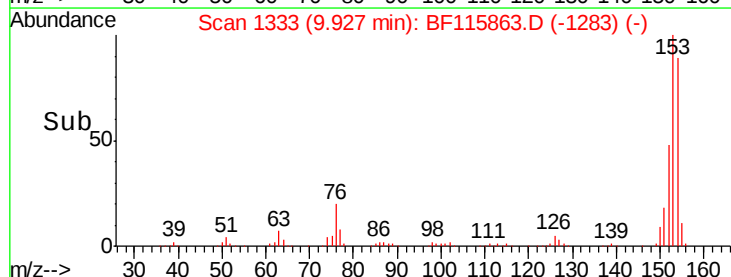
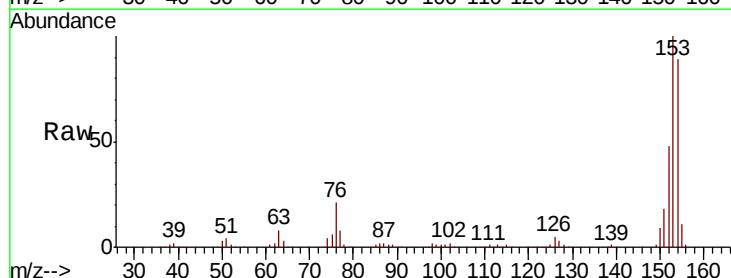
RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	154	Resp:	710891
Ion Ratio	Lower	Upper	
154	100		
153	111.8	90.1	135.1
152	53.2	42.6	63.8





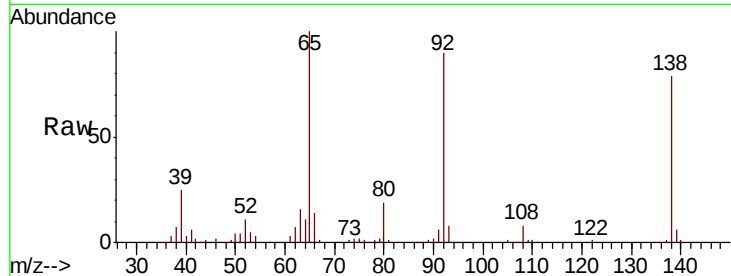
#53
3-Nitroaniline
Concen: 26.871 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.4	11.2
92	114.5	83.9	125.9

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

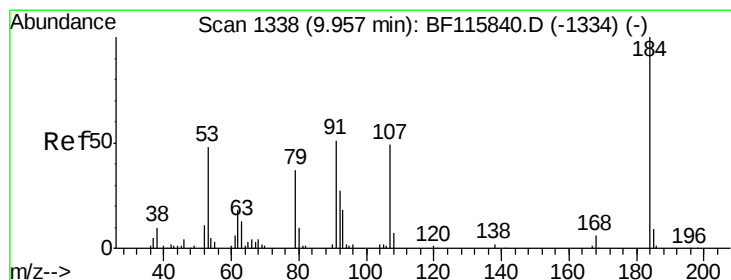
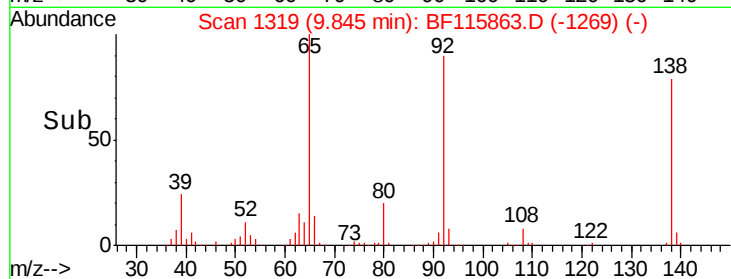
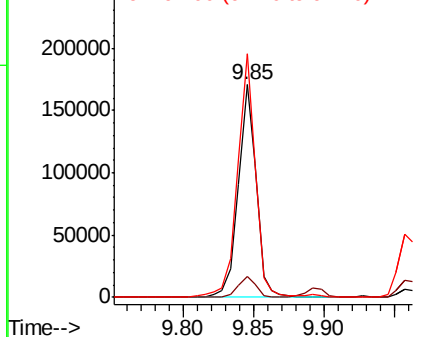


Abundance

Ion 138.00 (137.70 to 138.70): E

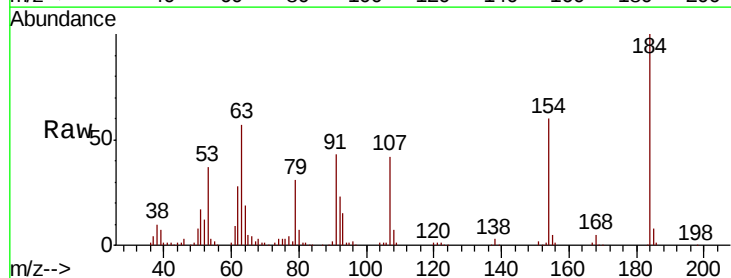
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 80.447 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.7	56.7	85.1#
154	60.4	51.9	77.9

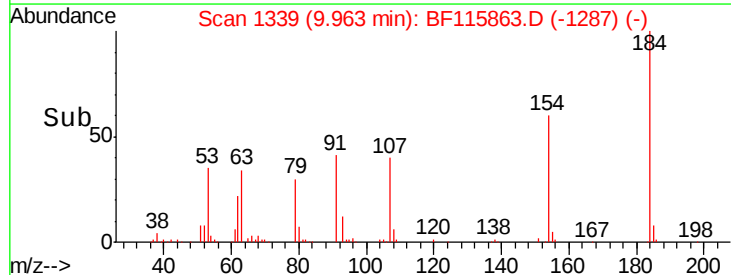
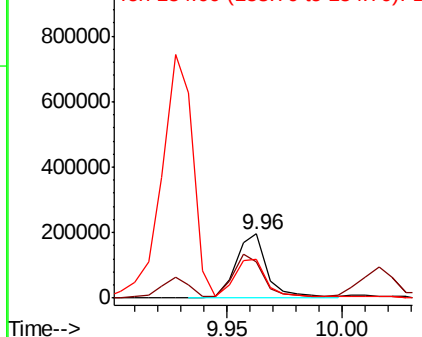


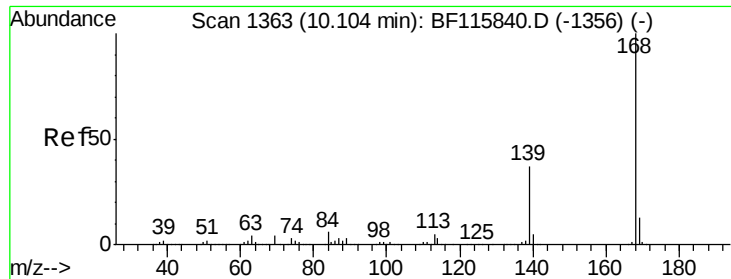
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





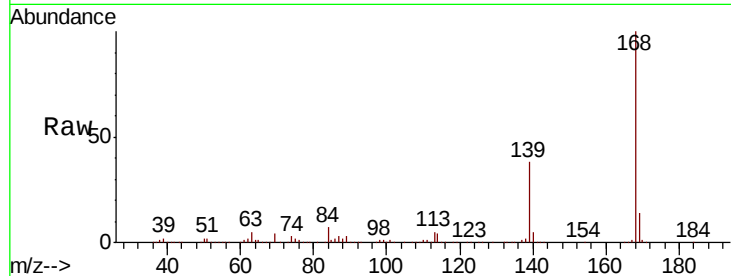
#55
Dibenzofuran
Concen: 44.906 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.2	45.2
169	13.8	10.8	16.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

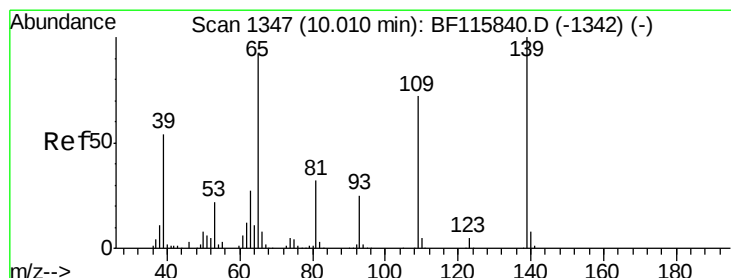
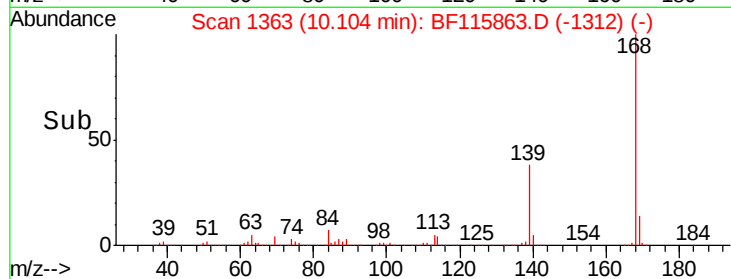
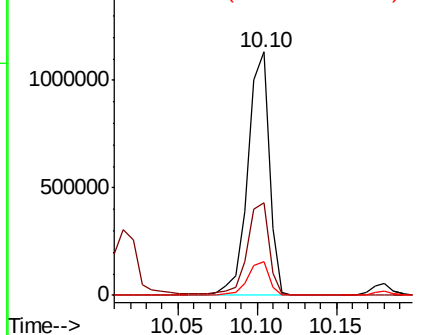


Abundance

Ion 168.00 (167.70 to 168.70): E

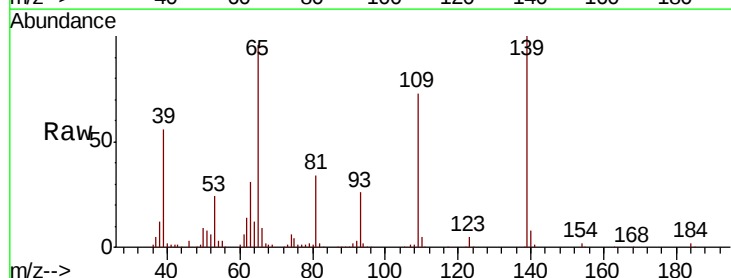
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 96.387 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.0	92.0
65	96.3	72.6	112.6

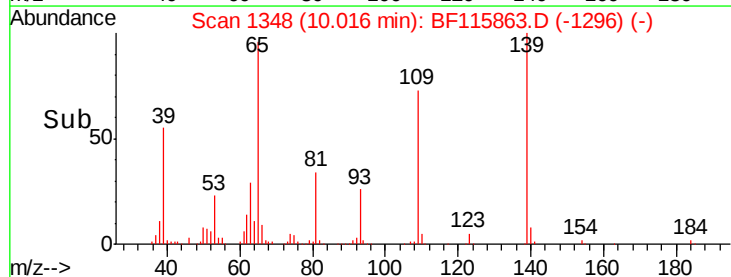
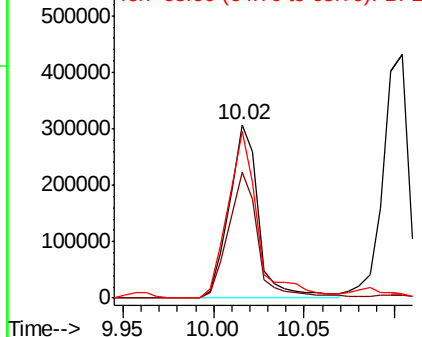


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





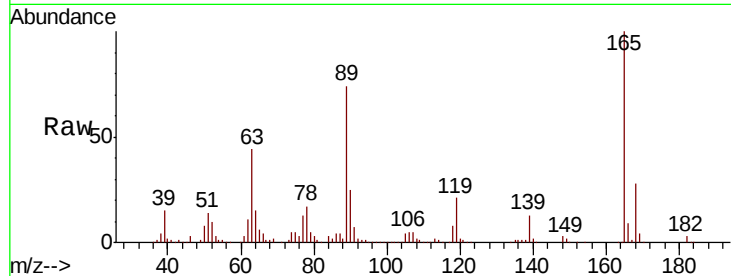
#57
2,4-Dinitrotoluene
Concen: 44.463 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

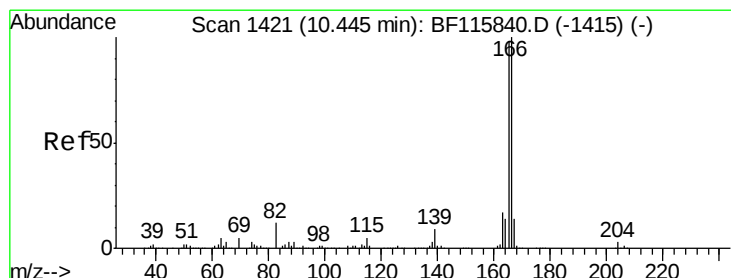
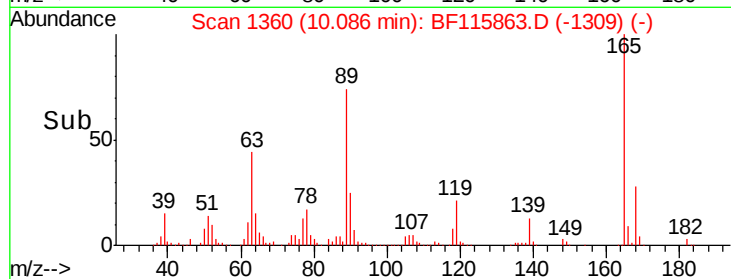
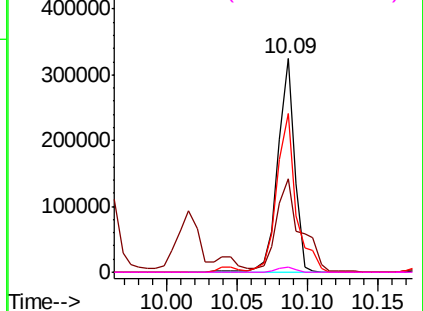
Tot Ion	Ratio	Resp	Lower	Upper
165	100	269977		
63	43.8		33.2	49.8
89	74.1		57.3	85.9
182	2.6		2.1	3.1

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

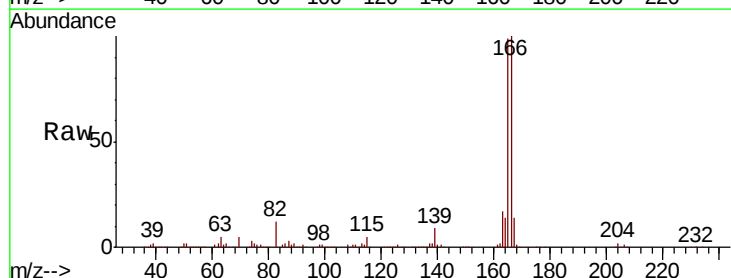


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

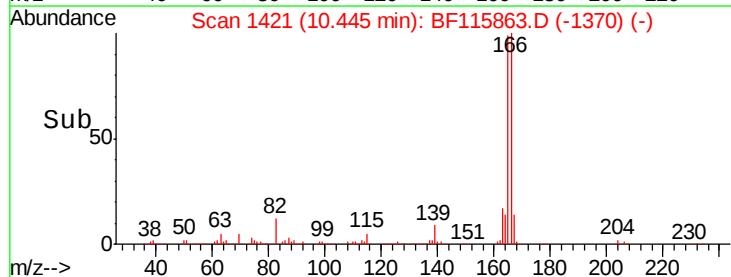
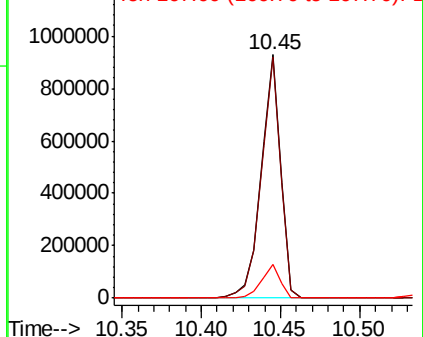


#58
Fluorene
Concen: 44.021 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	798347		
165	99.2		78.6	118.0
167	13.8		10.9	16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





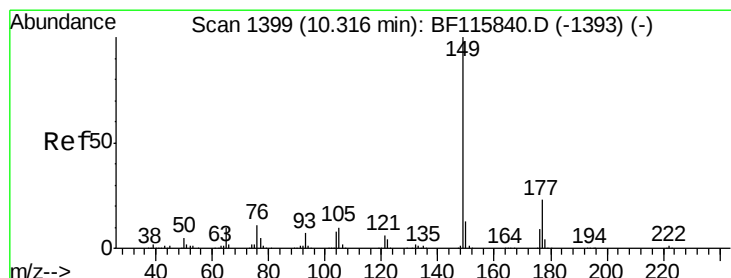
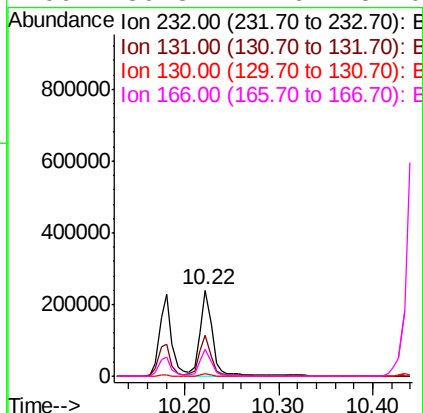
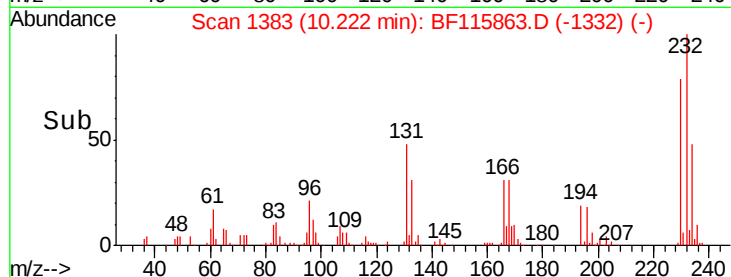
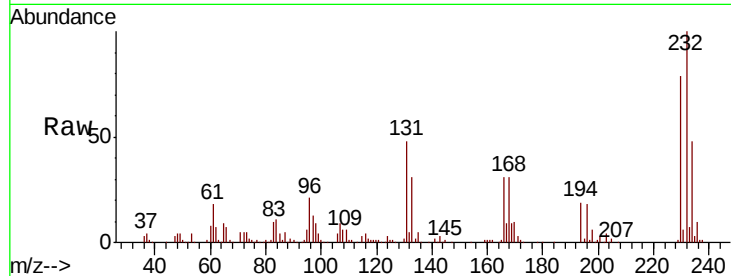
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.344 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.6	56.4
130	2.4	1.8	2.8
166	30.3	24.6	37.0

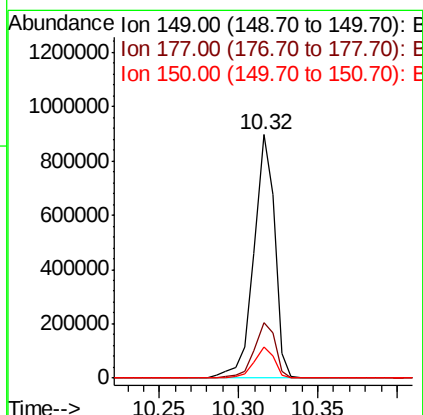
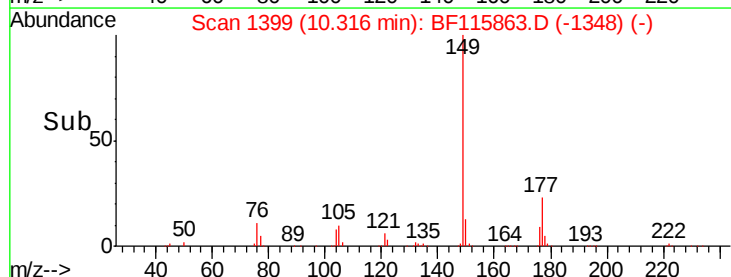
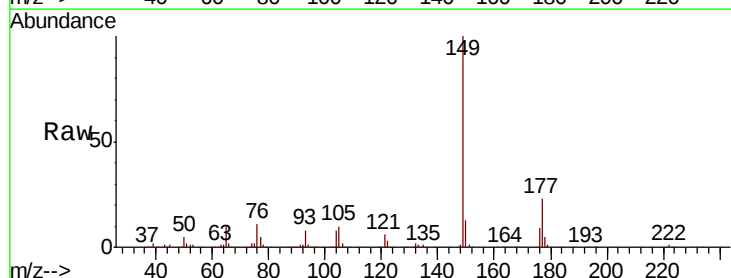
Manual Integrations
 APPROVED

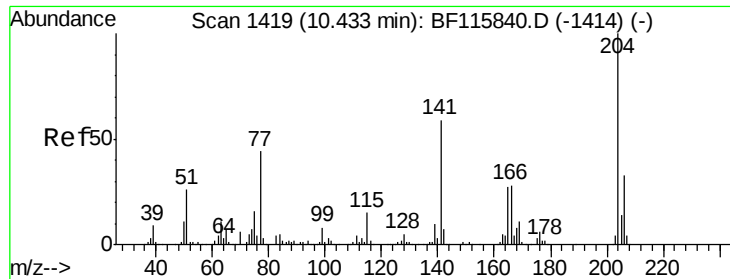
mohammad
 8/1/2019 5:06:29 PM



#60
 Diethylphthalate
 Concen: 41.767 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.9	10.1	15.1





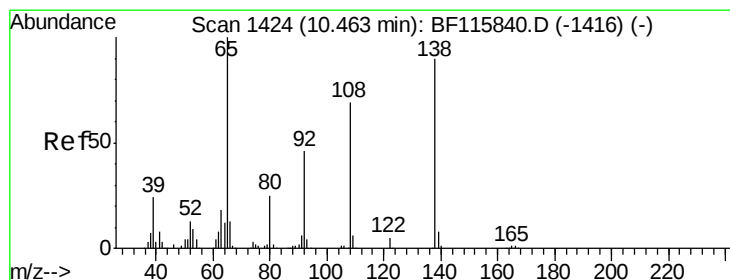
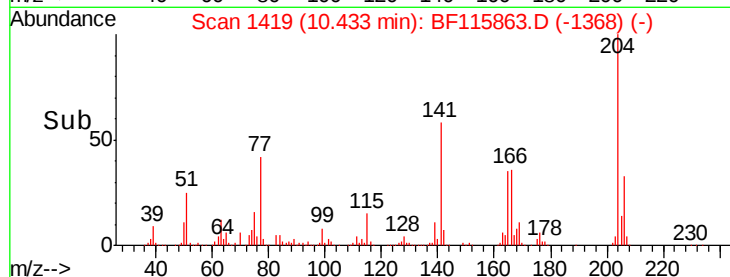
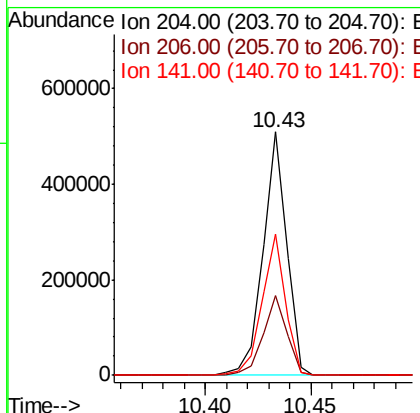
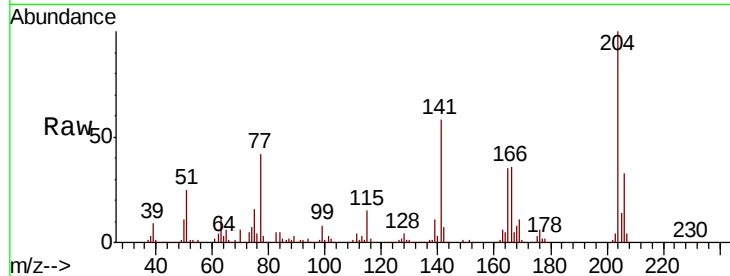
#61
 4-Chlorophenyl-phenylether
 Concen: 43.338 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.8	47.0	70.4

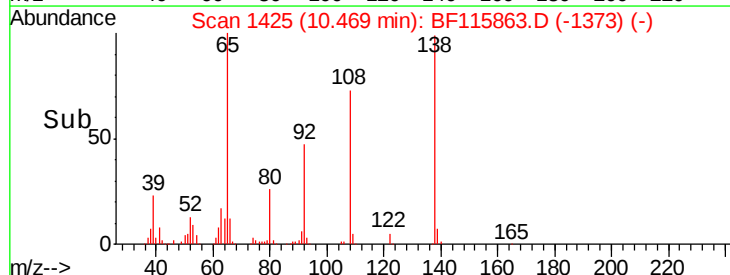
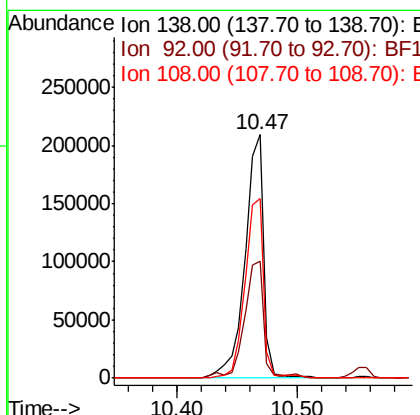
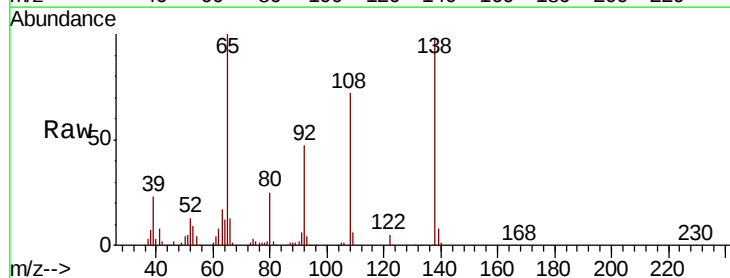
Manual Integrations
 APPROVED

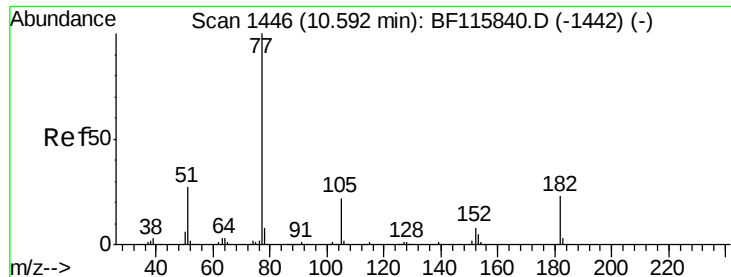
mohammad
 8/1/2019 5:06:29 PM



#62
 4-Nitroaniline
 Concen: 38.974 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.1	31.0	71.0
108	74.0	56.7	96.7





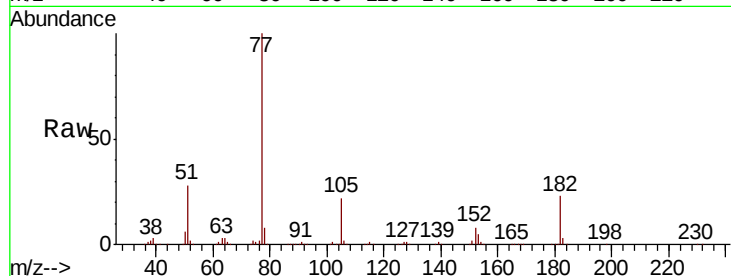
#63
Azobenzene
Concen: 43.504 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

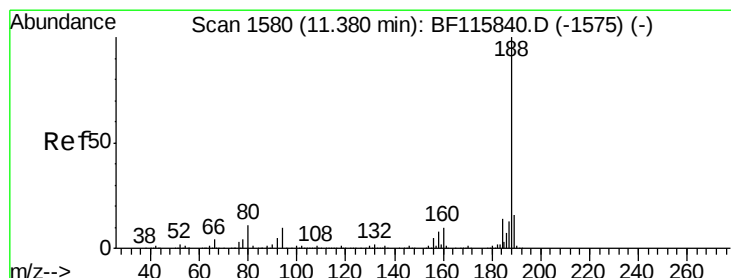
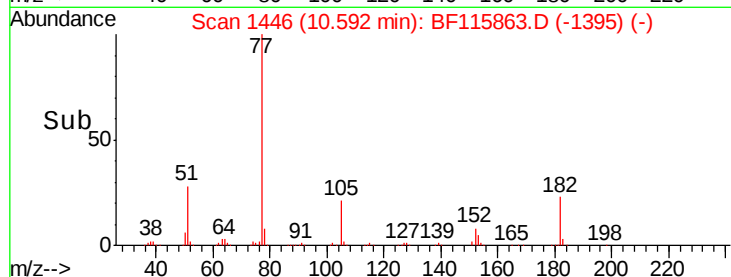
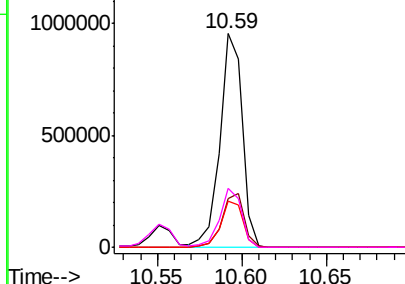
Tot Ion	Ratio	Lower	Upper
77	100		
182	23.1	2.6	42.6
105	21.6	1.6	41.6
51	27.9	7.4	47.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



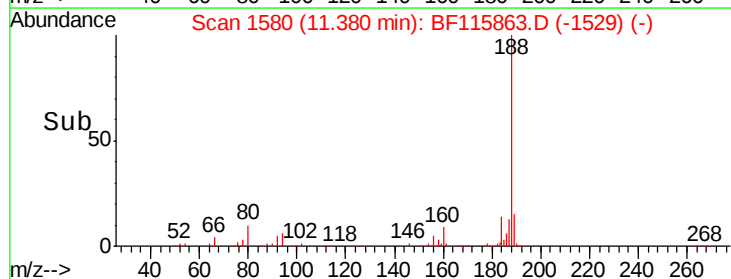
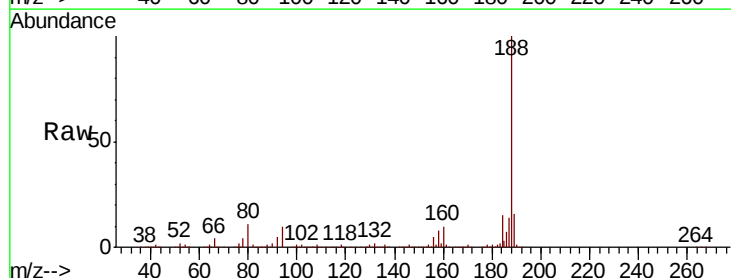
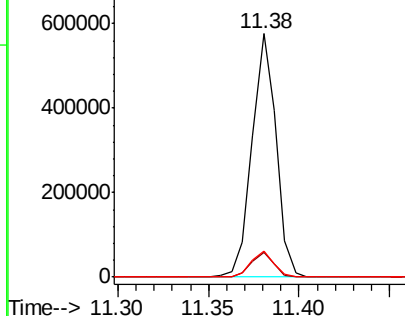
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

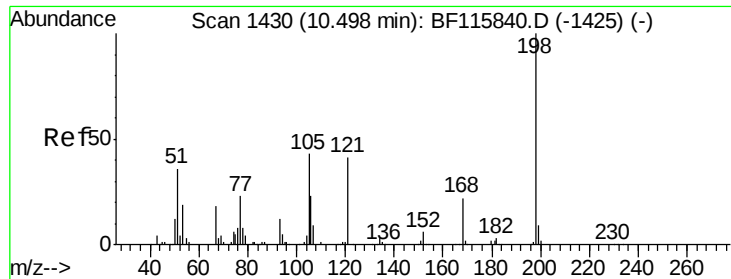


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.8	8.6	12.8

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





#65

4,6-Dinitro-2-methylphenol

Concen: 47.104 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

ClientSampleId :

PB121801BSD

Tot Ion:198 Resp: 132245

Ion Ratio Lower Upper

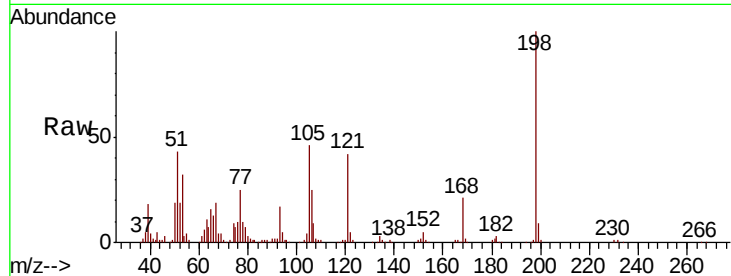
198 100

51 43.0 21.1 61.1

105 46.4 24.5 64.5

Manual Integrations
APPROVED

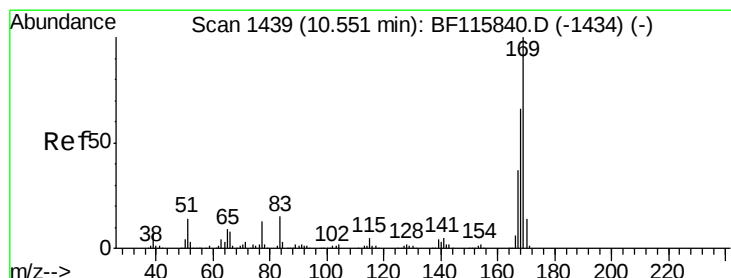
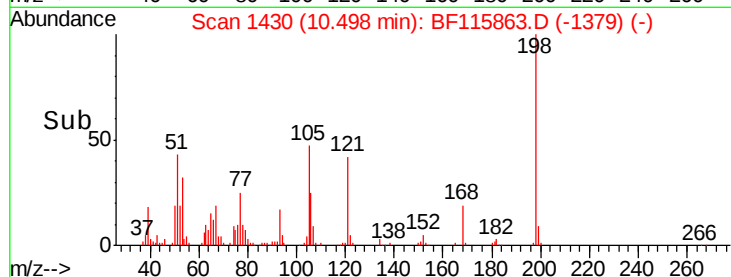
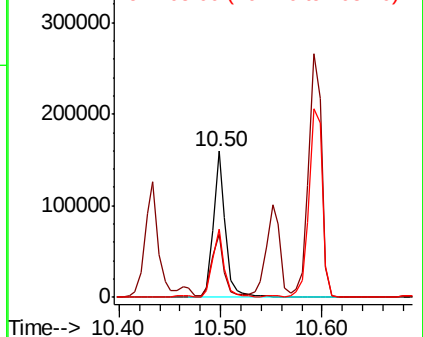
mohammad
8/1/2019 5:06:29 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 44.934 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

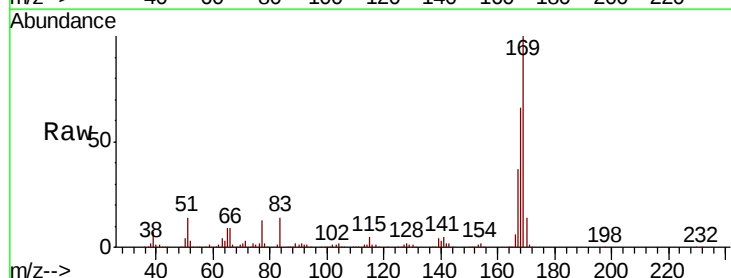
Tgt Ion:169 Resp: 716510

Ion Ratio Lower Upper

169 100

168 66.4 53.0 79.6

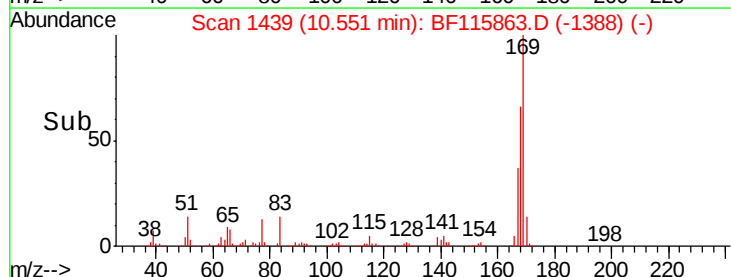
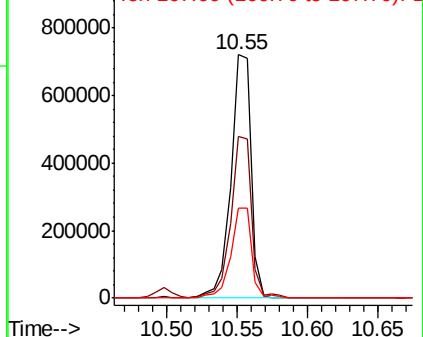
167 36.8 29.9 44.9

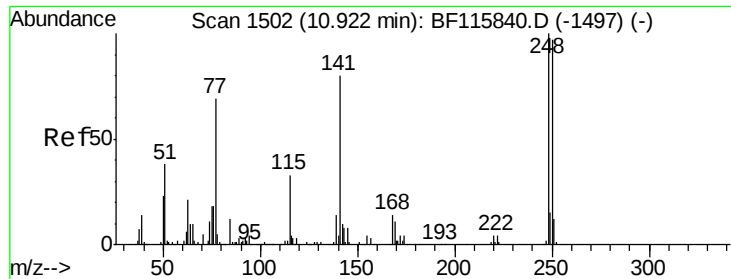


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





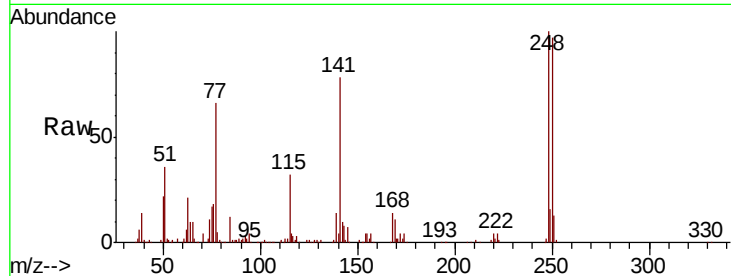
#67
4-Bromophenyl-phenylether
Concen: 42.628 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.6
141	78.2	64.3	96.5

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM

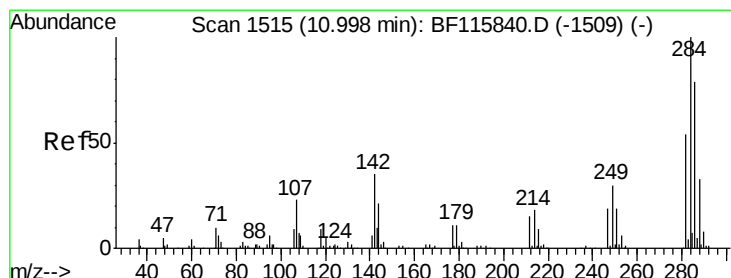
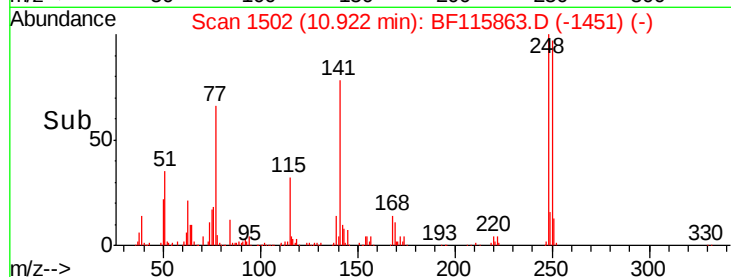
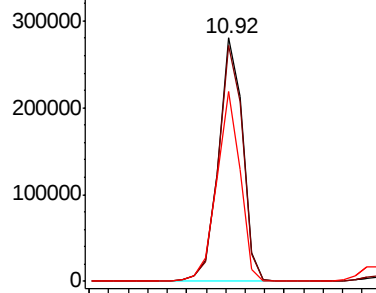


Abundance

Ion 248.00 (247.70 to 248.70): E

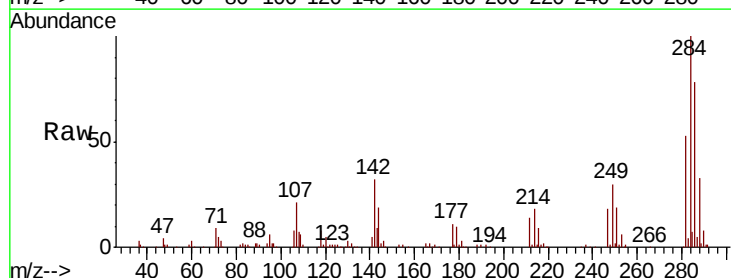
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.305 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.1	28.2	42.2
249	29.8	24.0	36.0

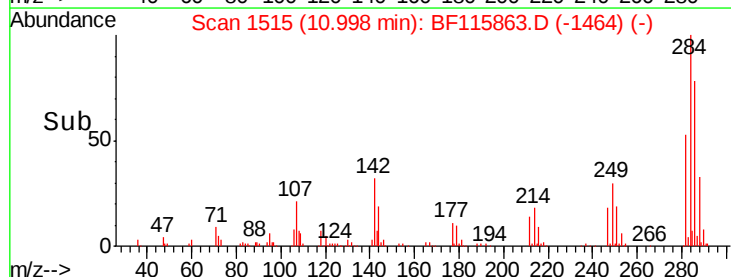
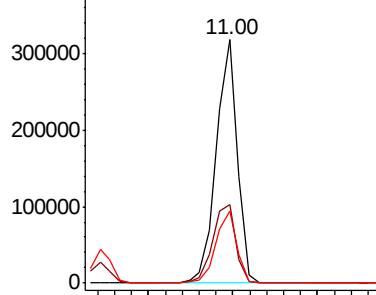


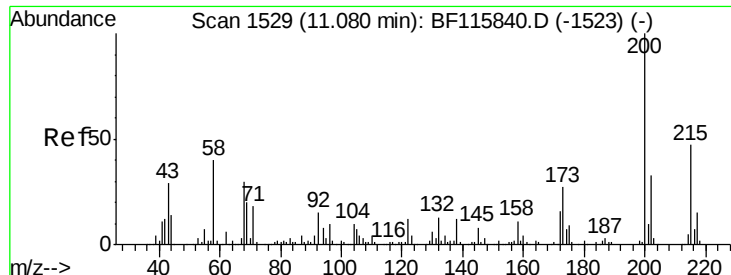
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





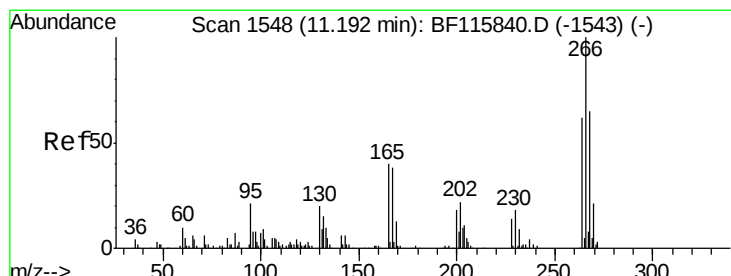
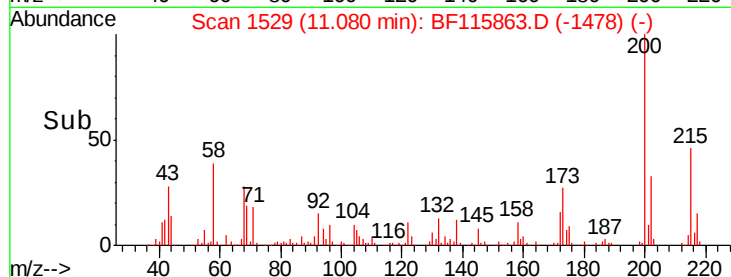
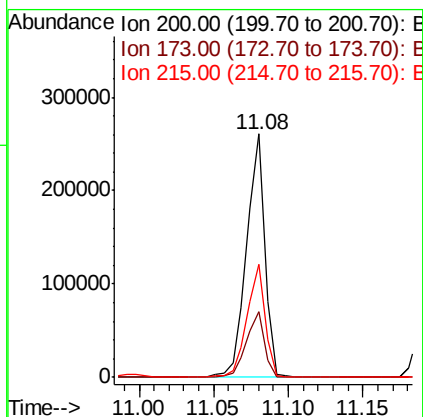
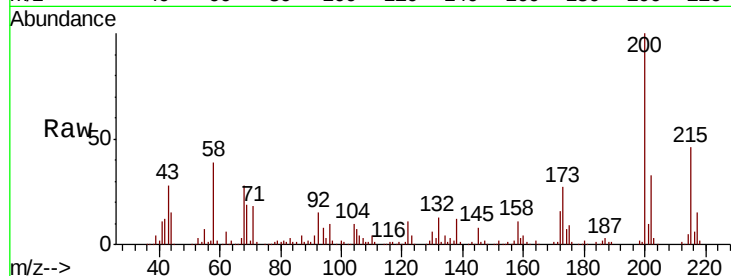
#69
Atrazine
Concen: 42.294 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.3	47.3
215	46.4	26.9	66.9

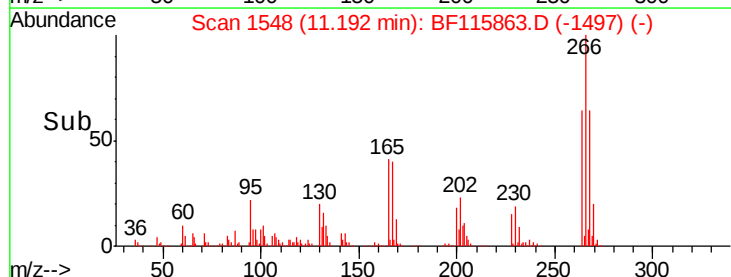
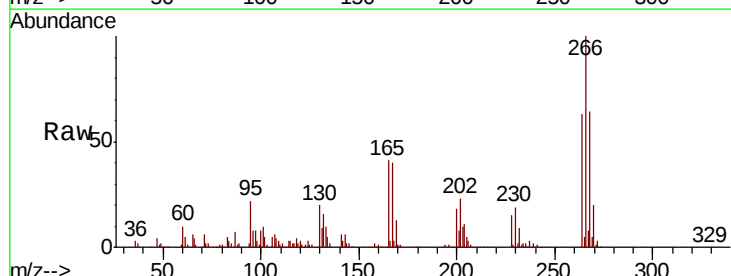
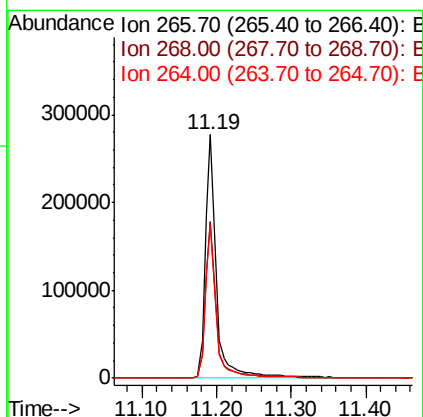
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#70
Pentachlorophenol
Concen: 90.658 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.6	77.4
264	63.5	49.4	74.0





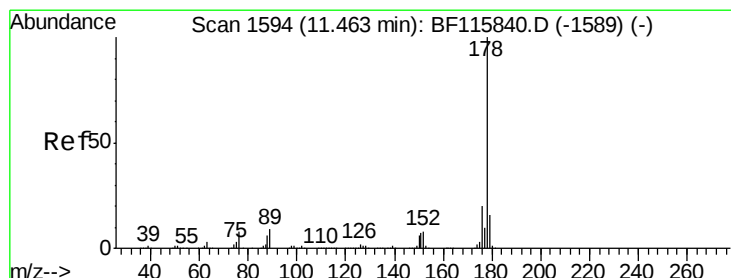
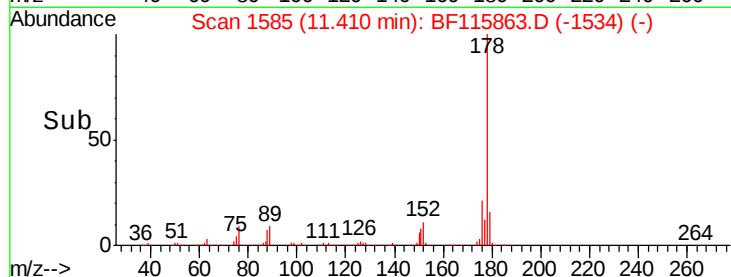
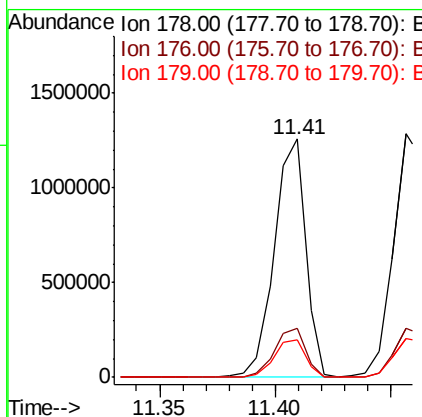
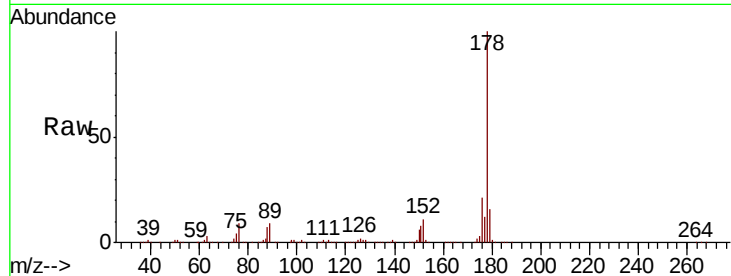
#71
Phenanthrene
Concen: 43.916 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.5	24.7
179	15.8	12.6	18.8

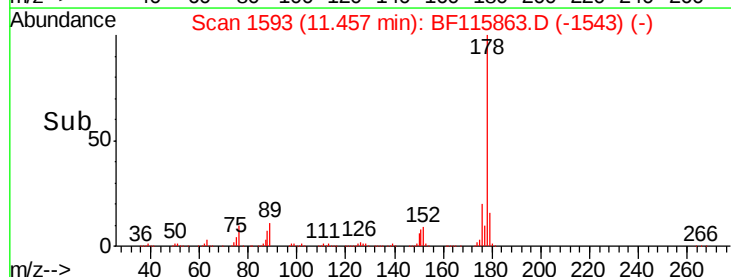
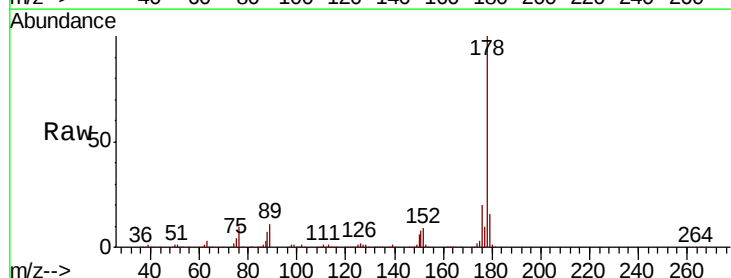
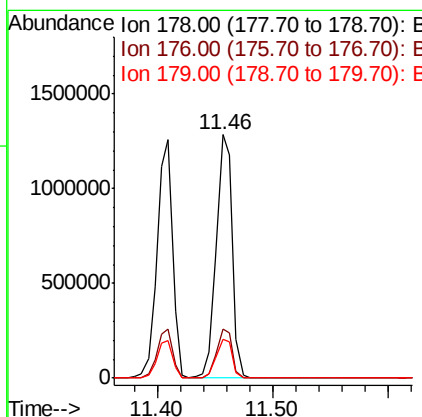
Manual Integrations
APPROVED

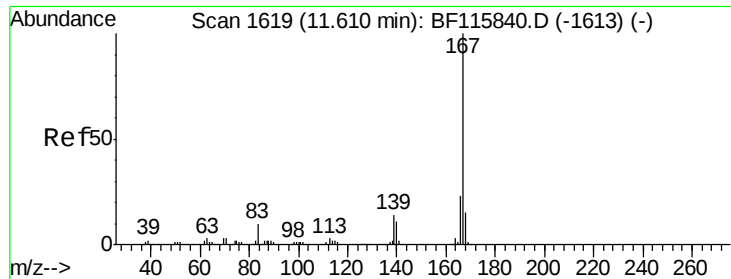
mohammad
8/1/2019 5:06:29 PM



#72
Anthracene
Concen: 45.005 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.7	23.5
179	16.1	12.4	18.6





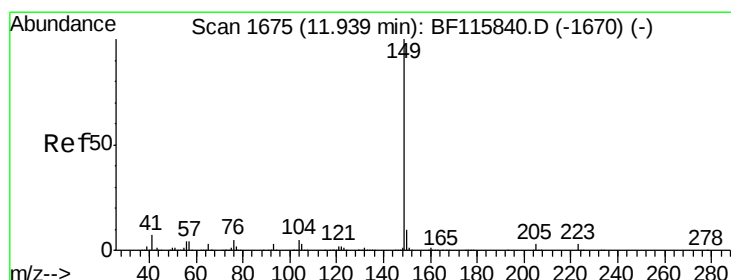
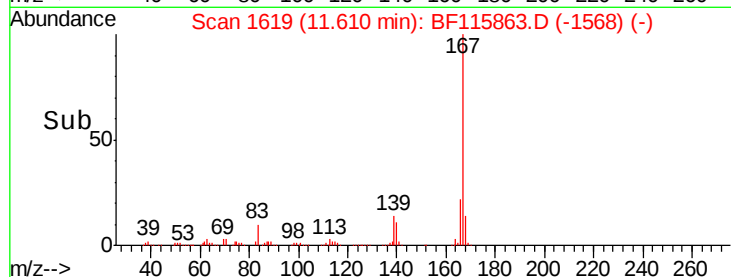
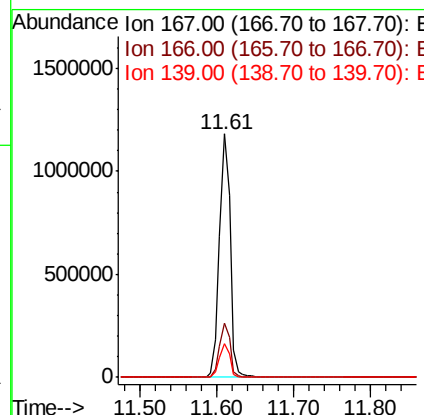
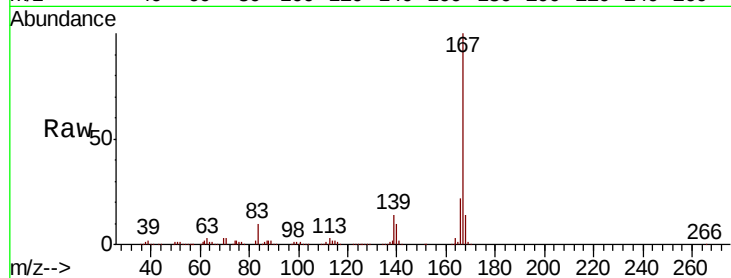
#73
 Carbazole
 Concen: 45.004 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	13.8	11.4	17.2

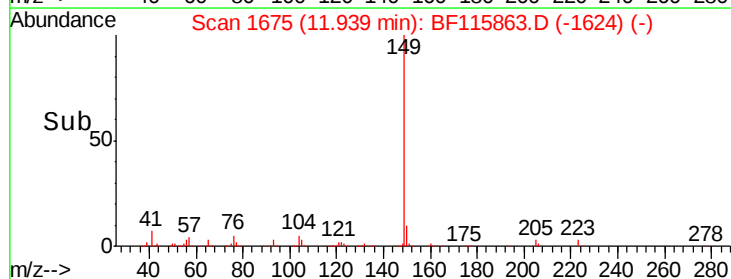
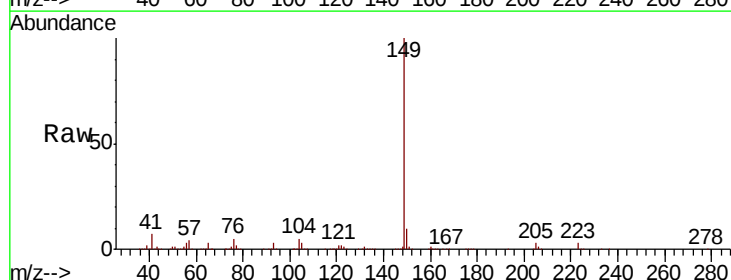
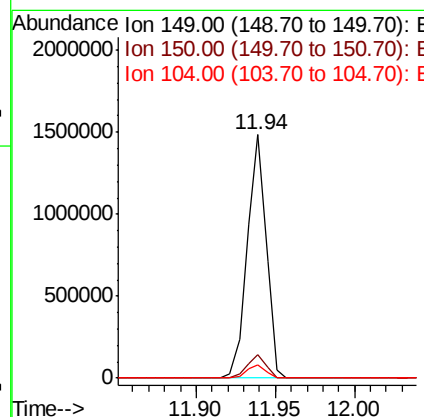
Manual Integrations
 APPROVED

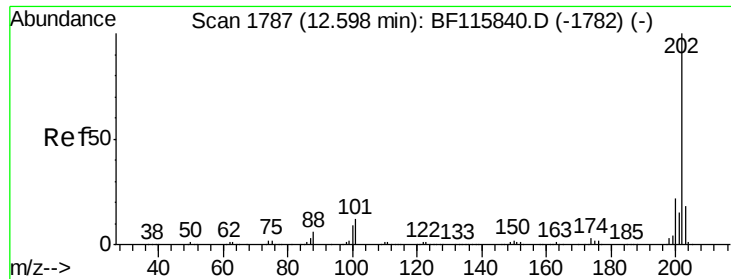
mohammad
 8/1/2019 5:06:29 PM



#74
 Di-n-butylphthalate
 Concen: 42.286 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.3	6.5





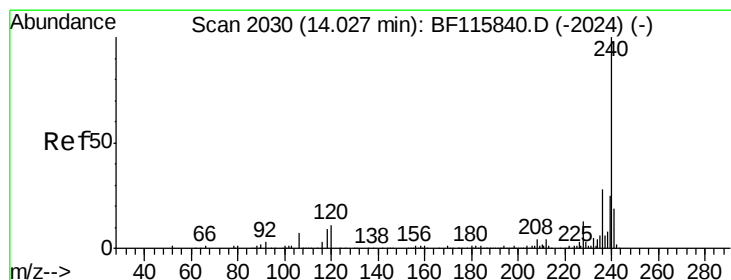
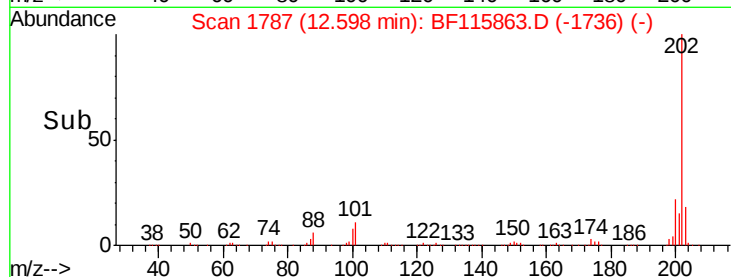
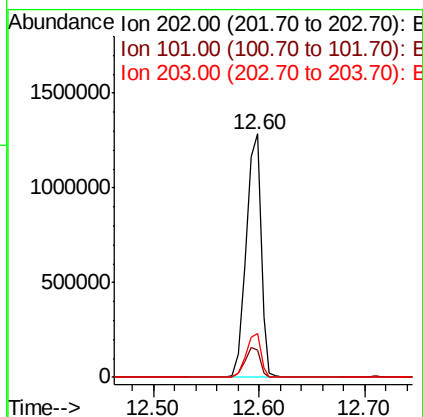
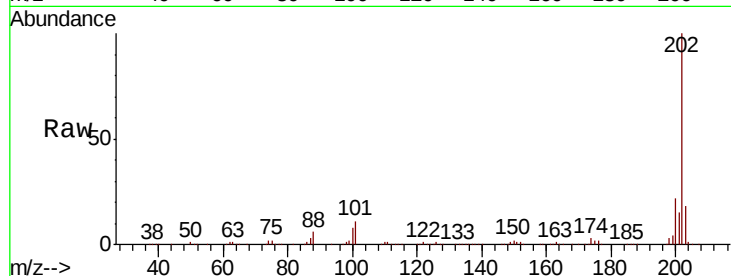
#75
 Fluoranthene
 Concen: 44.064 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1249372		
101	11.3		0.0	31.5
203	18.1		0.0	37.9

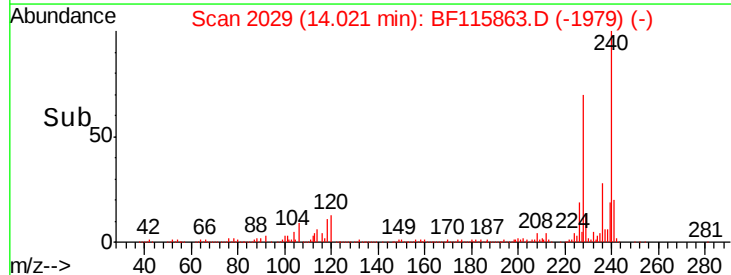
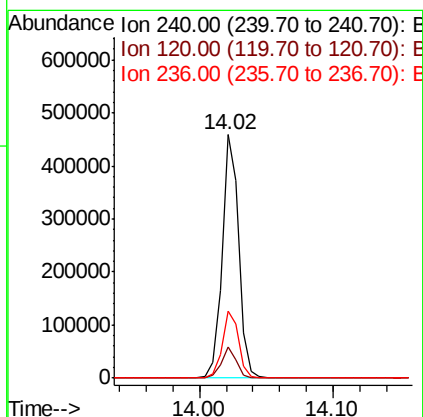
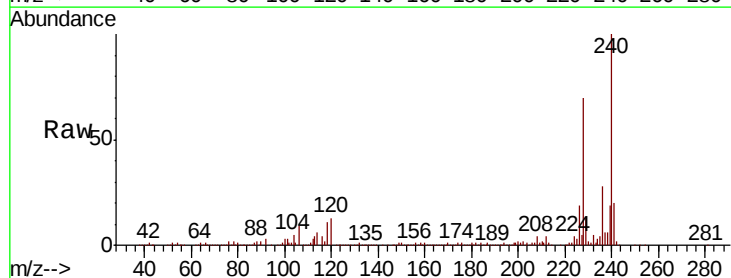
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:29 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	400691		
120	12.7		8.5	12.7#
236	27.6		22.2	33.2





#77

Benzidine

Concen: 48.767 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

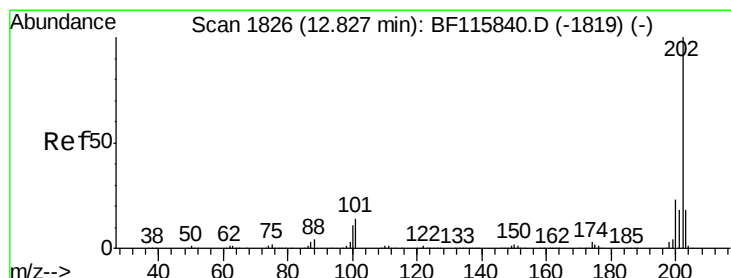
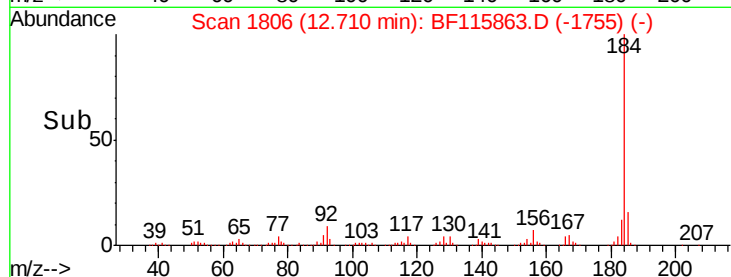
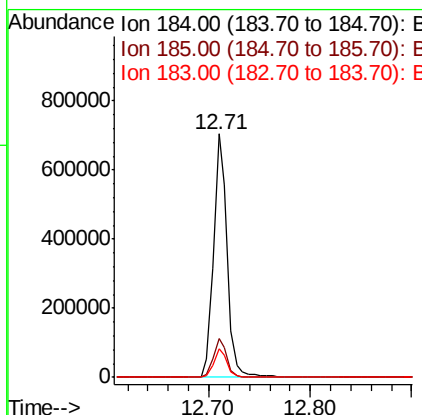
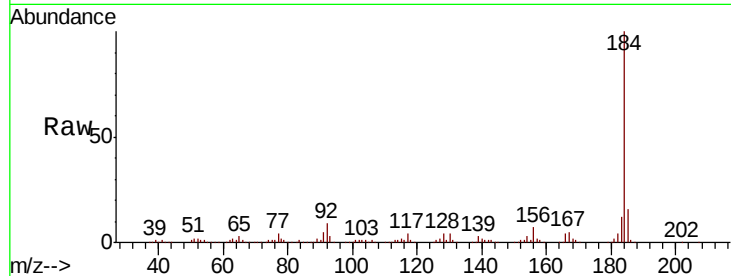
ClientSampleId :

PB121801BSD

Tot Ion:	184	Resp:	660155
Ion Ratio	Lower	Upper	
184	100		
185	16.0	13.4	20.2
183	11.5	9.1	13.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#78

Pyrene

Concen: 42.740 ng

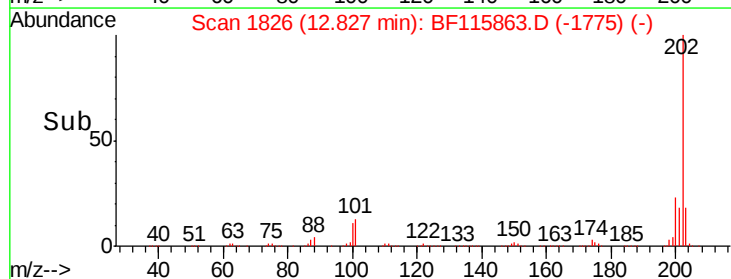
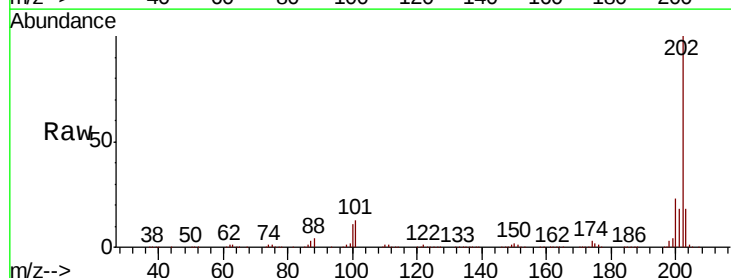
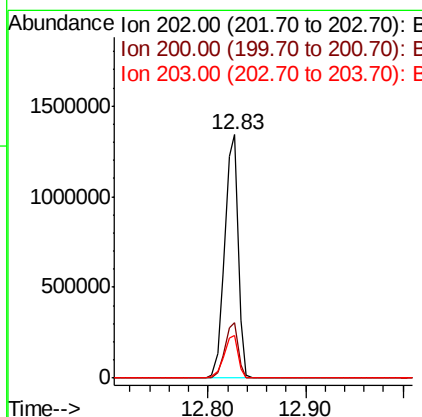
RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Tgt Ion:	202	Resp:	1290954
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.2	27.2
203	17.7	14.3	21.5





#79

Terphenyl-d14

Concen: 78.590 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

Instrument :

BNA_F

ClientSampleId :

PB121801BSD

Tot Ion:244 Resp: 1494445

Ion Ratio Lower Upper

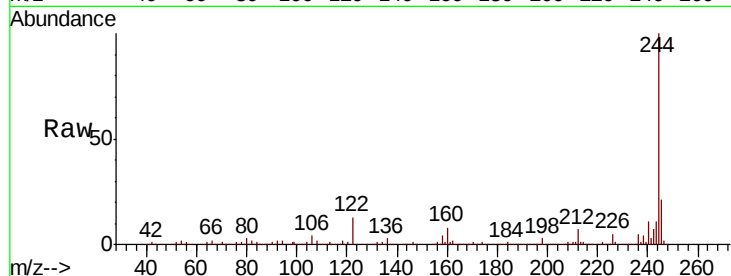
244 100

212 7.3 5.6 8.4

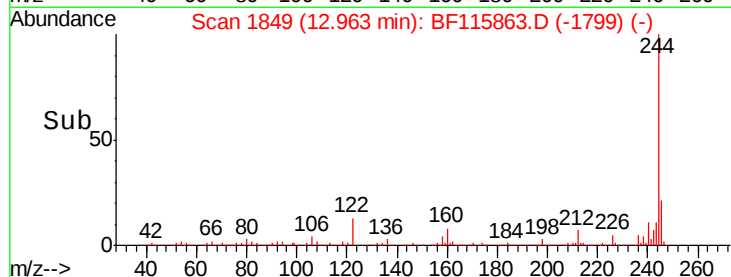
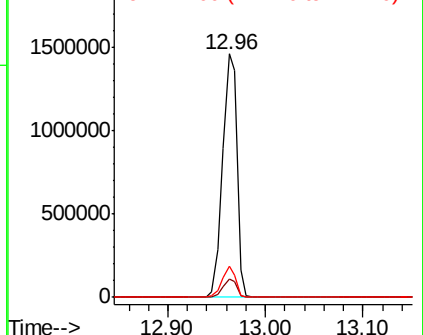
122 12.6 8.6 13.0

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



Abundance Ion 244.00 (243.70 to 244.70): E
2000000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.361 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115863.D

Acq: 31 Jul 2019 13:59

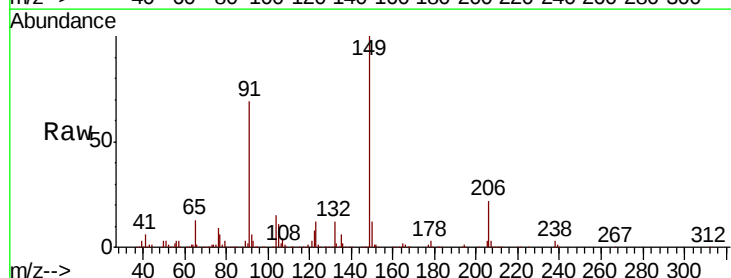
Tgt Ion:149 Resp: 528459

Ion Ratio Lower Upper

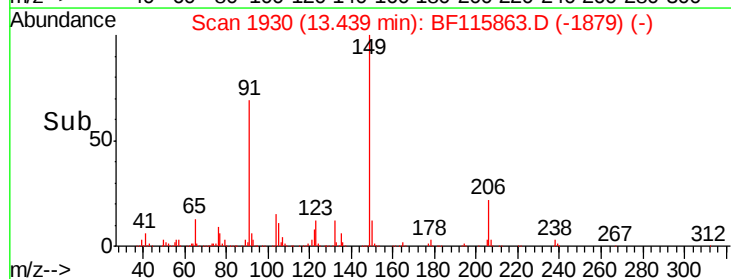
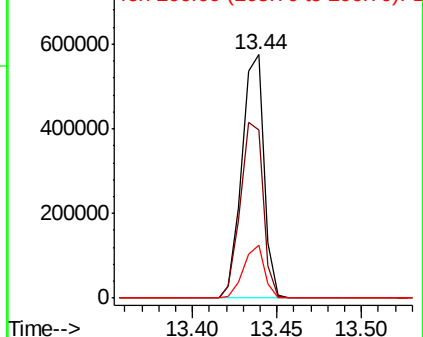
149 100

91 69.0 57.0 85.6

206 21.7 16.9 25.3



Abundance Ion 149.00 (148.70 to 149.70): E
800000 Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





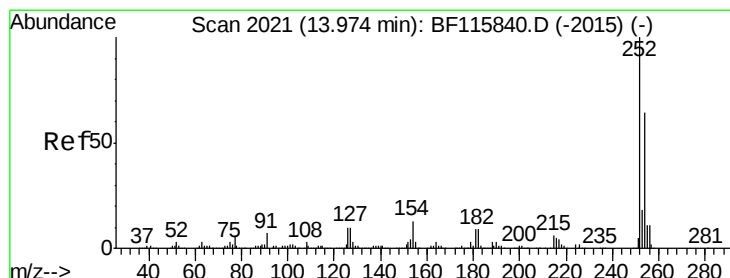
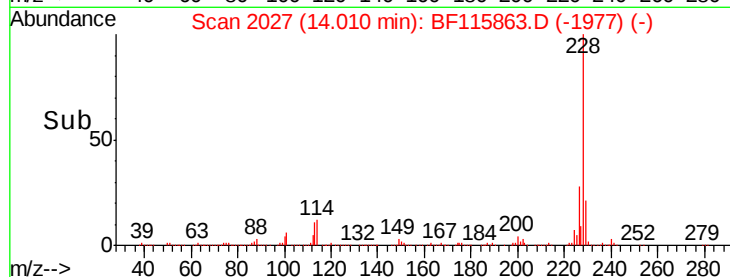
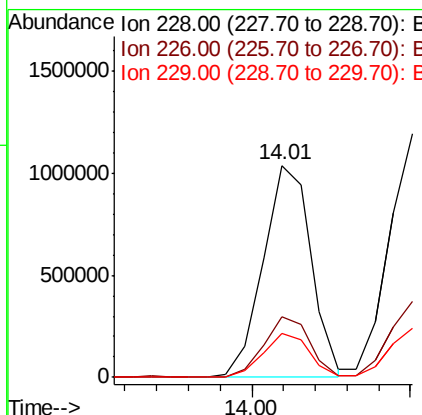
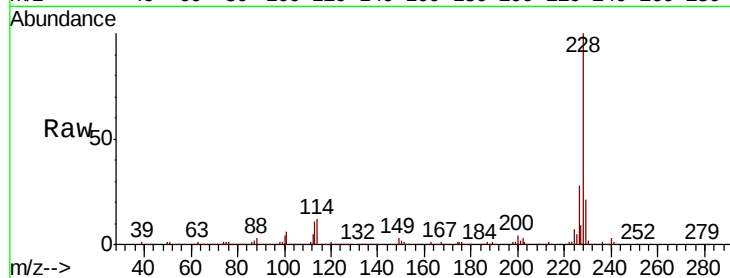
#81
Benzo(a)anthracene
Concen: 42.461 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	20.7	16.1	24.1

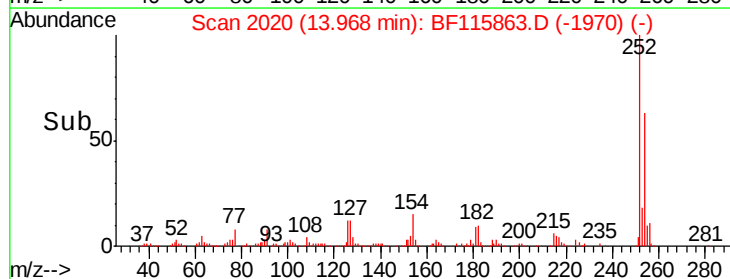
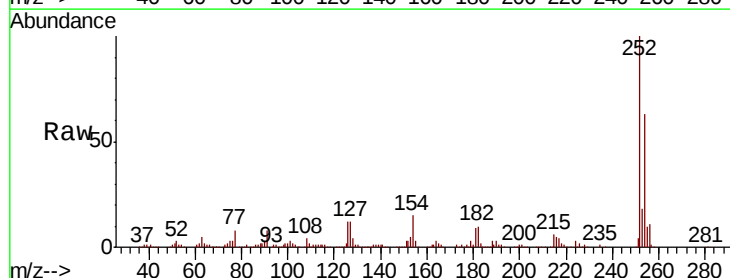
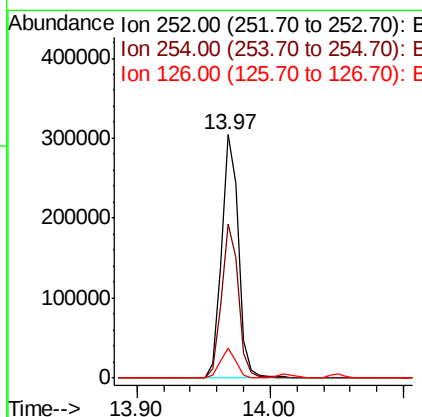
Manual Integrations
APPROVED

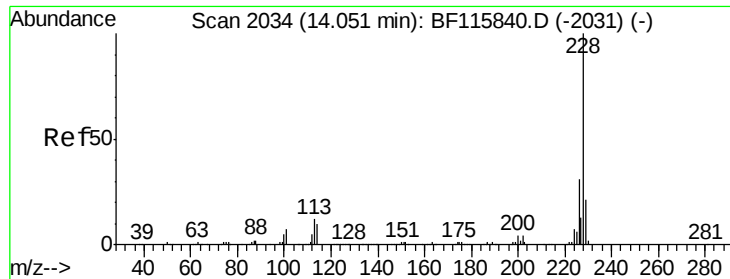
mohammad
8/1/2019 5:06:29 PM



#82
3,3'-Dichlorobenzidine
Concen: 30.813 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.2	76.8
126	12.3	8.1	12.1





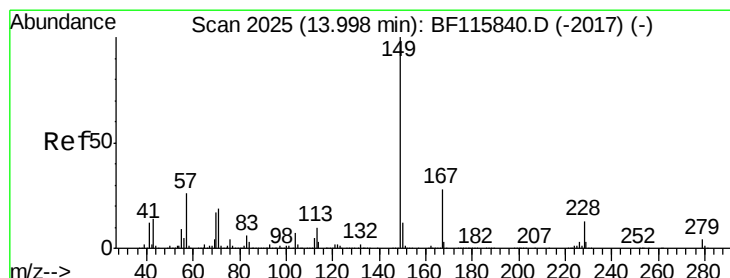
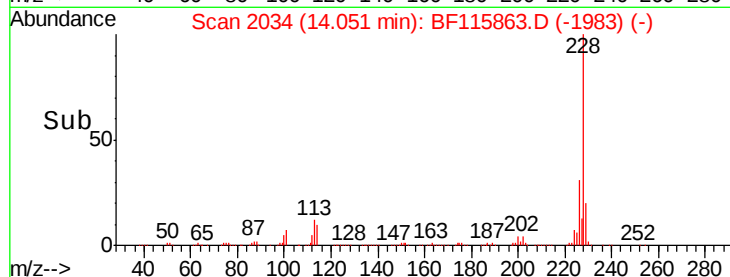
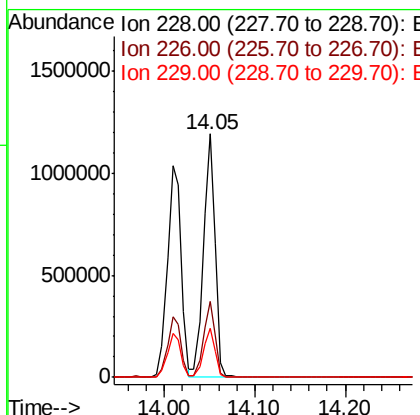
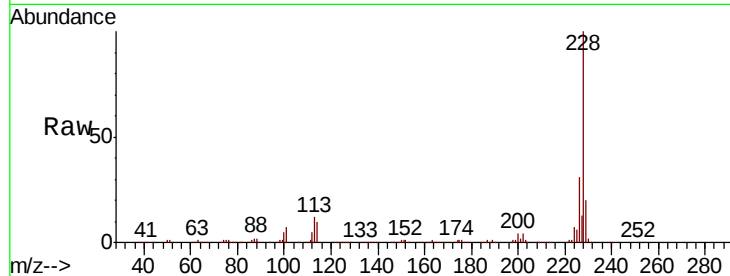
#83
 Chrvsene
 Concen: 43.536 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 PB121801BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	20.4	16.4	24.6

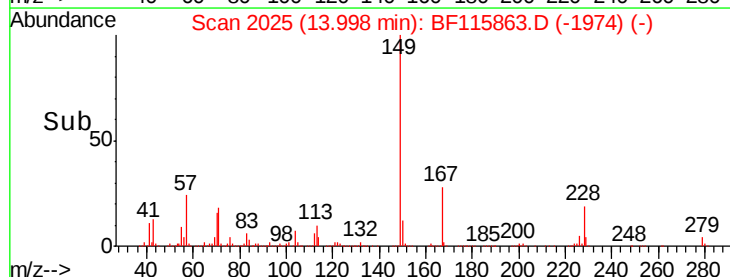
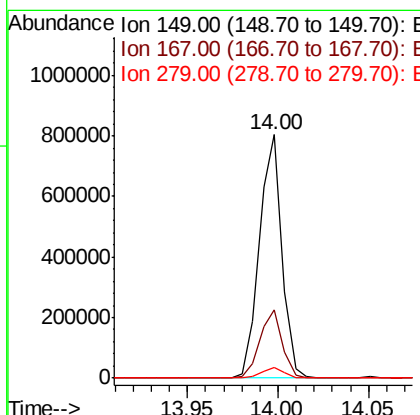
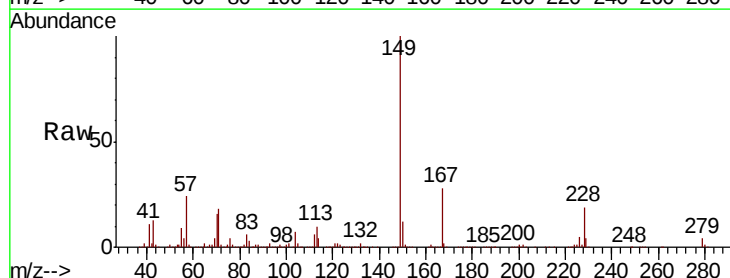
Manual Integrations
 APPROVED

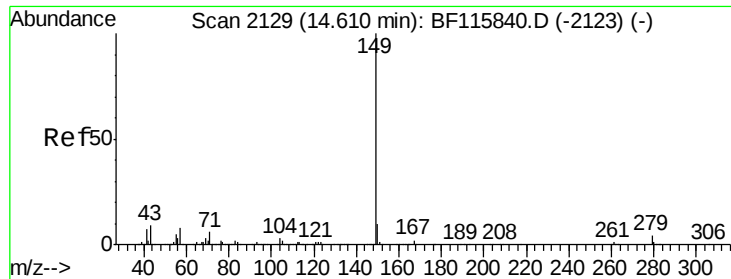
mohammad
 8/1/2019 5:06:29 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.886 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115863.D
 Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	4.3	3.3	4.9





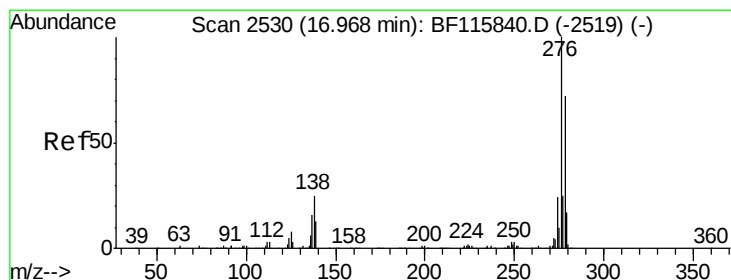
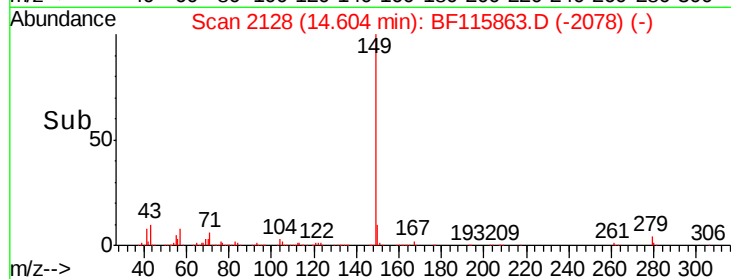
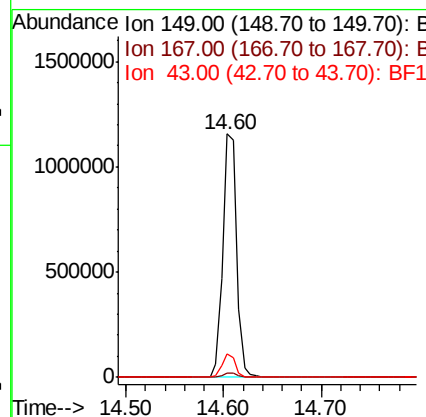
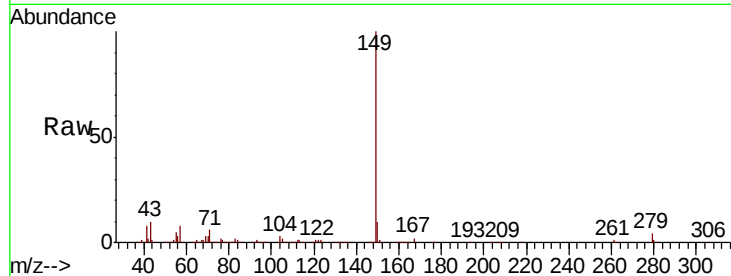
#85
Di-n-octyl phthalate
Concen: 43.154 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.4	11.0

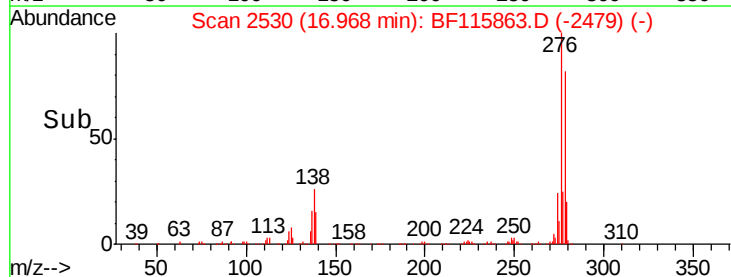
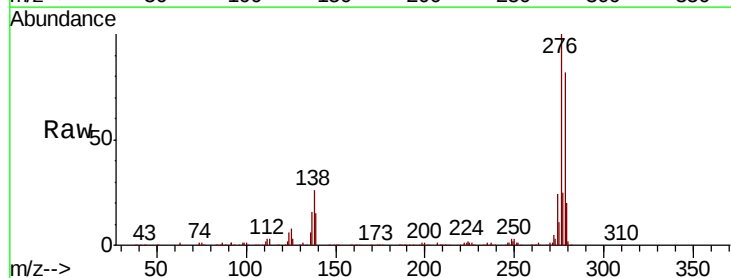
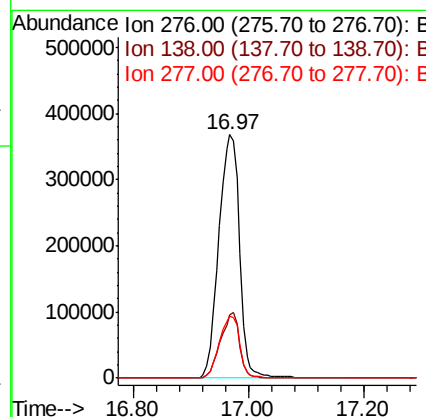
Manual Integrations
APPROVED

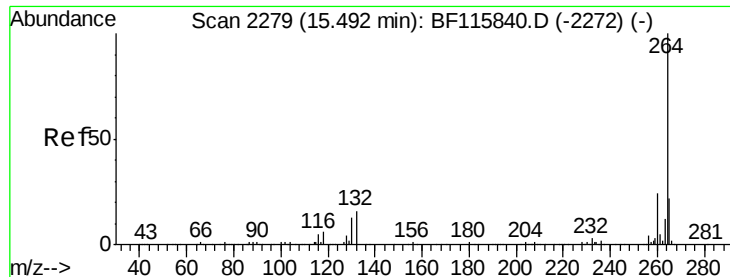
mohammad
8/1/2019 5:06:29 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 44.168 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.6	29.4
277	25.1	20.1	30.1





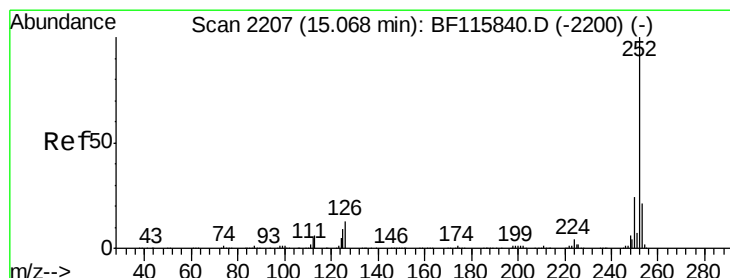
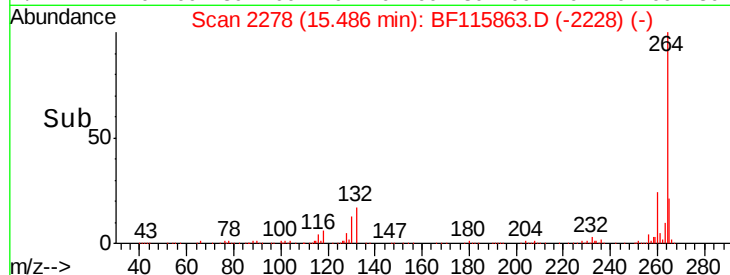
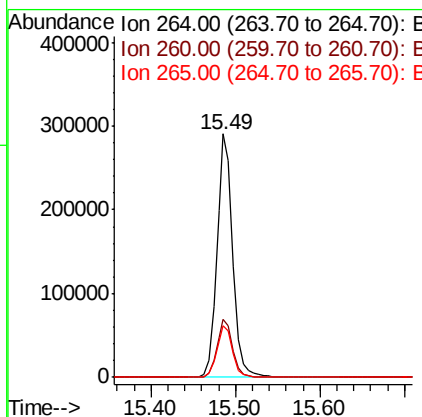
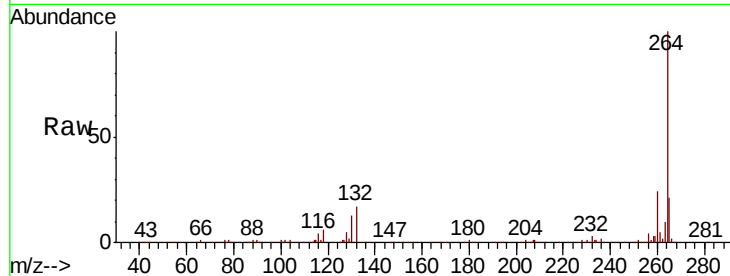
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.4	17.5	26.3

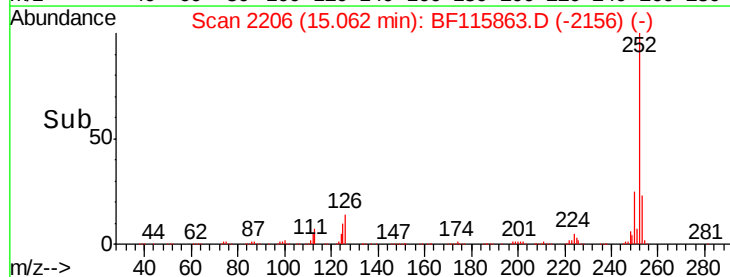
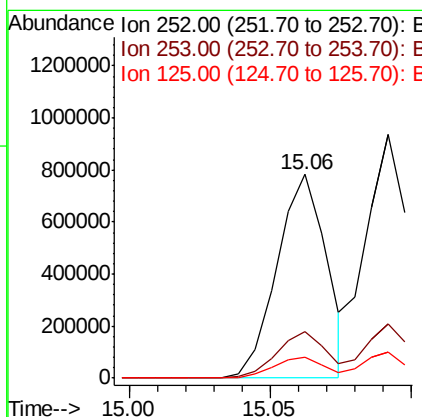
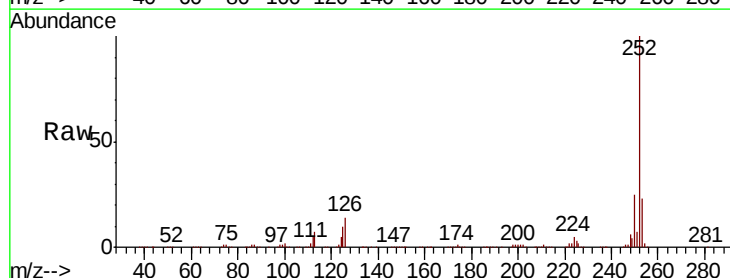
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#88
Benzo(b)fluoranthene
Concen: 43.349 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.4	7.4	11.0





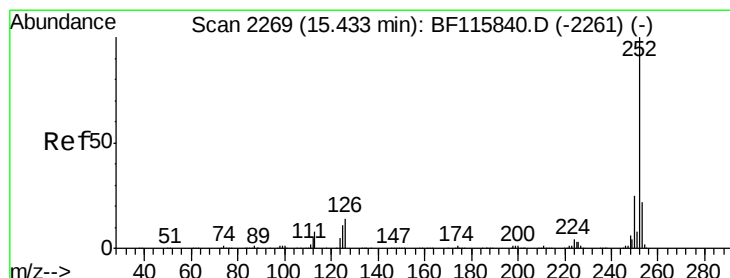
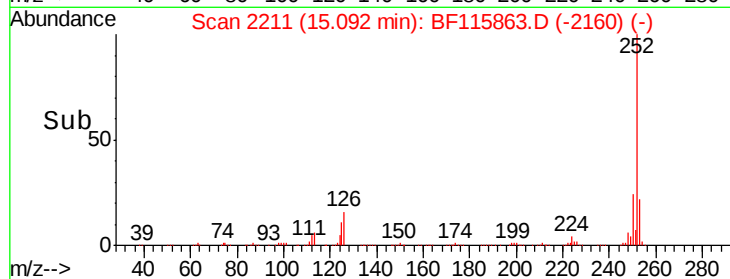
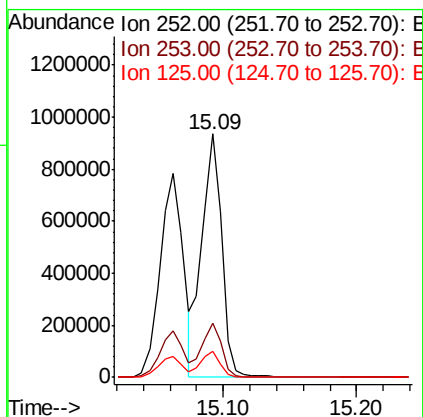
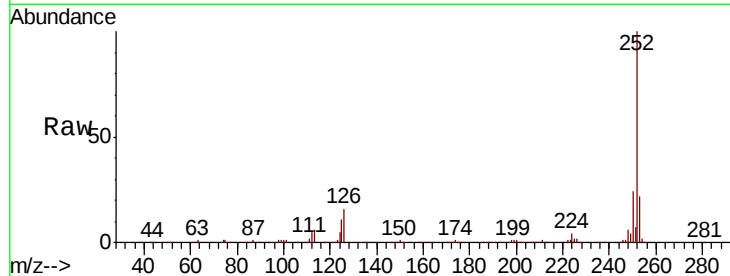
#89
Benzo(k)fluoranthene
Concen: 45.307 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	10.7	8.9	13.3

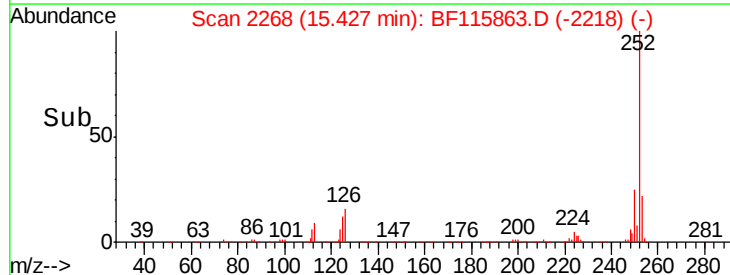
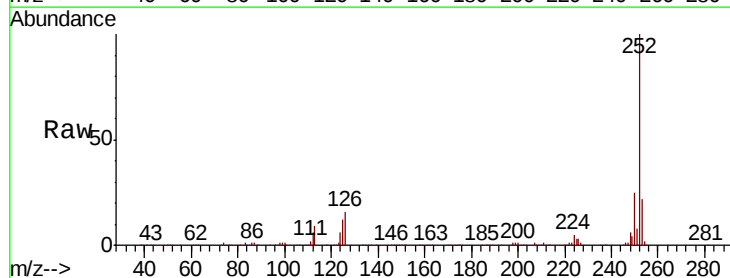
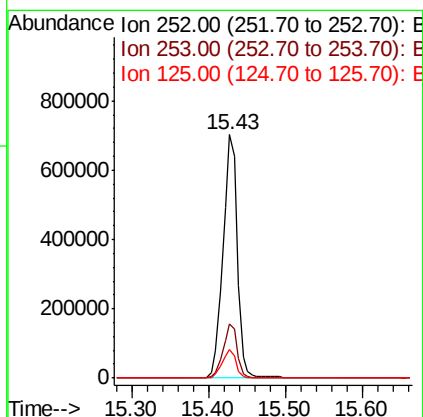
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#90
Benzo(a)pyrene
Concen: 46.451 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.8	8.8	13.2





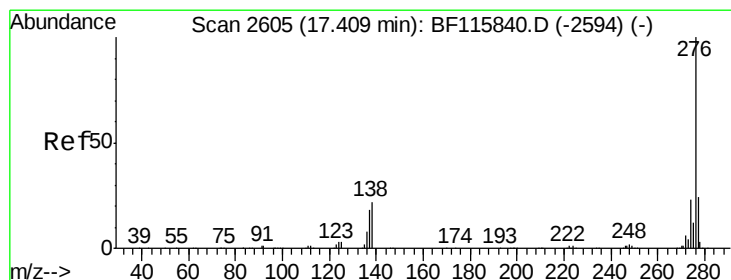
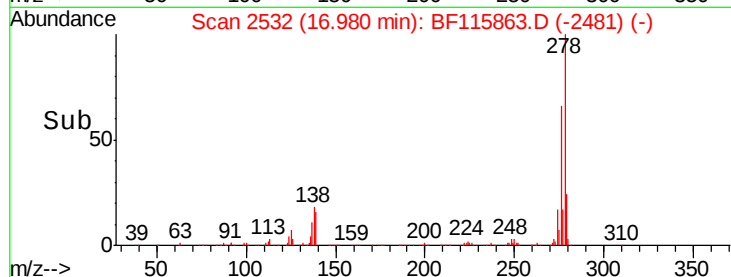
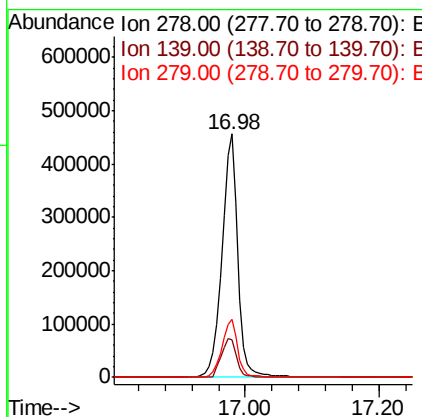
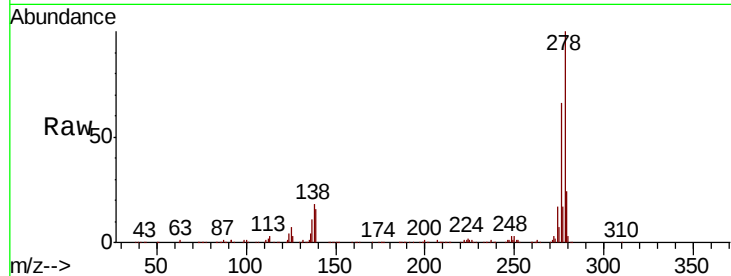
#91
Dibenzo(a,h)anthracene
Concen: 45.008 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Instrument :
BNA_F
ClientSampleId :
PB121801BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.6	19.0
279	23.9	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:29 PM



#92
Benzo(g,h,i)perylene
Concen: 45.136 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.00 min
Lab File: BF115863.D
Acq: 31 Jul 2019 13:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	21.1	17.8	26.8

