

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115796.D
 Acq On : 26 Jul 2019 19:37
 Operator : HP/JU
 Sample : K3614-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:04 PM

Quant Time: Jul 27 00:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141501	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	549465	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	302786	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	540558	20.00	ng	0.00
76) Chrysene-d12	14.03	240	381550	20.00	ng	0.00
87) Perylene-d12	15.50	264	379594	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1025302	118.52	ng	0.02
7) Phenol-d6	6.51	99	1255013	114.33	ng	0.00
23) Nitrobenzene-d5	7.43	82	950603	100.60	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	426809	120.76	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1672386	96.67	ng	0.00
79) Terphenyl-d14	12.98	244	1908494	92.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	161016	37.314	ng	# 86
3) Pyridine	3.55	79	370443	31.642	ng	100
4) n-Nitrosodimethylamine	3.47	42	195918	46.129	ng	99
6) Aniline	6.54	93	113084	7.403	ng	# 80
8) 2-Chlorophenol	6.66	128	432256	43.460	ng	95
9) Benzaldehyde	6.42	77	272576	39.737	ng	100
10) Phenol	6.52	94	457279	35.886	ng	93
11) bis(2-Chloroethyl)ether	6.61	93	429235	44.244	ng	97
12) 1,3-Dichlorobenzene	6.82	146	435729	38.965	ng	99
13) 1,4-Dichlorobenzene	6.89	146	447650	40.122	ng	99
14) 1,2-Dichlorobenzene	7.05	146	416475	40.834	ng	99
15) Benzyl Alcohol	7.02	79	376371	43.223	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	567612	44.440	ng	94
17) 2-Methylphenol	7.13	107	373821	43.613	ng	98
18) Hexachloroethane	7.39	117	158058	38.167	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	311059	43.451	ng	99
20) 3+4-Methylphenols	7.28	107	430436	42.278	ng	# 82
22) Acetophenone	7.28	105	609695	49.117	ng	97
24) Nitrobenzene	7.45	77	495781	48.643	ng	95
25) Isophorone	7.69	82	905494	47.887	ng	100
26) 2-Nitrophenol	7.77	139	241477	46.030	ng	99
27) 2,4-Dimethylphenol	7.80	122	400449	51.016	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	557734	48.080	ng	99
29) 2,4-Dichlorophenol	8.01	162	397026	48.635	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	408421	44.260	ng	99
31) Naphthalene	8.17	128	1280344	48.114	ng	99
32) Benzoic acid	7.93	122	173497	26.933	ng	98
33) 4-Chloroaniline	8.22	127	79891	6.778	ng	99
34) Hexachlorobutadiene	8.29	225	227670	43.024	ng	97
35) Caprolactam	8.59	113	90245m	35.775	ng	
36) 4-Chloro-3-methylphenol	8.71	107	415013	49.010	ng	99
37) 2-Methylnaphthalene	8.86	142	880339	49.907	ng	99
38) 1-Methylnaphthalene	8.96	142	828849	49.470	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	396367	43.471	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
 Data File : BF115796.D
 Acq On : 26 Jul 2019 19:37
 Operator : HP/JU
 Sample : K3614-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

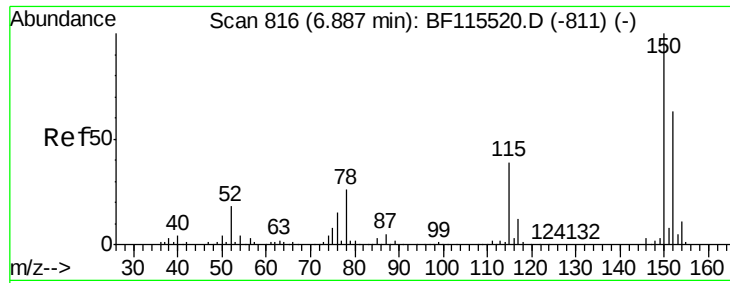
Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:04 PM

Quant Time: Jul 27 00:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	271217	52.145	nq	99
43) 2,4,6-Trichlorophenol	9.15	196	274564	41.177	nq	100
44) 2,4,5-Trichlorophenol	9.19	196	297933	43.630	nq	95
46) 1,1'-Biphenyl	9.33	154	1078634	45.567	nq	99
47) 2-Chloronaphthalene	9.36	162	853656	43.310	nq	99
48) 2-Nitroaniline	9.45	65	270315	44.310	nq	99
49) Acenaphthylene	9.77	152	1300595	44.532	nq	100
50) Dimethylphthalate	9.63	163	1033377	45.362	nq	99
51) 2,6-Dinitrotoluene	9.69	165	225058	43.472	nq	95
52) Acenaphthene	9.95	154	791656	41.985	nq	99
53) 3-Nitroaniline	9.86	138	38174	6.453	nq	99
54) 2,4-Dinitrophenol	9.97	184	109487	41.192	nq	98
55) Dibenzofuran	10.12	168	1173150	43.811	nq	99
56) 4-Nitrophenol	10.03	139	333675	73.963	nq	94
57) 2,4-Dinitrotoluene	10.10	165	299731	44.688	nq	98
58) Fluorene	10.46	166	893016	46.651	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.23	232	247781	43.407	nq	99
60) Diethylphthalate	10.33	149	989776	46.371	nq	99
61) 4-Chlorophenyl-phenylether	10.45	204	449903	42.381	nq	99
62) 4-Nitroaniline	10.47	138	219996	38.767	nq	99
63) Azobenzene	10.61	77	1002995	48.446	nq	99
65) 4,6-Dinitro-2-methylphenol	10.51	198	102327	30.984	nq	98
66) n-Nitrosodiphenylamine	10.57	169	815030	48.471	nq	99
67) 4-Bromophenyl-phenylether	10.94	248	285625	46.238	nq	99
68) Hexachlorobenzene	11.01	284	316708	44.895	nq	# 90
69) Atrazine	11.09	200	265573	48.144	nq	99
70) Pentachlorophenol	11.20	266	314264	72.836	nq	99
71) Phenanthrene	11.42	178	1329877	47.995	nq	100
72) Anthracene	11.47	178	1392183	48.617	nq	100
73) Carbazole	11.62	167	1248562	49.721	nq	99
74) Di-n-butylphthalate	11.95	149	1579941	51.079	nq	100
75) Fluoranthene	12.61	202	1401007	47.848	nq	100
77) Benzidine	12.72	184	352021	26.044	nq	98
78) Pyrene	12.83	202	1420865	43.954	nq	100
80) Butylbenzylphthalate	13.45	149	688405	49.955	nq	99
81) Benzo(a)anthracene	14.02	228	1147341	45.644	nq	99
82) 3,3'-Dichlorobenzidine	13.98	252	173108	19.372	nq	99
83) Chrysene	14.06	228	1133808	44.932	nq	100
84) Bis(2-ethylhexyl)phthalate	14.00	149	980870	57.463	nq	100
85) Di-n-octyl phthalate	14.62	149	1607667	59.194	nq	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	1155852	53.916	nq	100
88) Benzo(b)fluoranthene	15.07	252	1018545	41.671	nq	99
89) Benzo(k)fluoranthene	15.10	252	1015730	46.610	nq	99
90) Benzo(a)pyrene	15.44	252	971174	46.228	nq	98
91) Dibenzo(a,h)anthracene	17.00	278	976874	52.966	nq	98
92) Benzo(g,h,i)perylene	17.43	276	938472	51.021	nq	98

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



#1

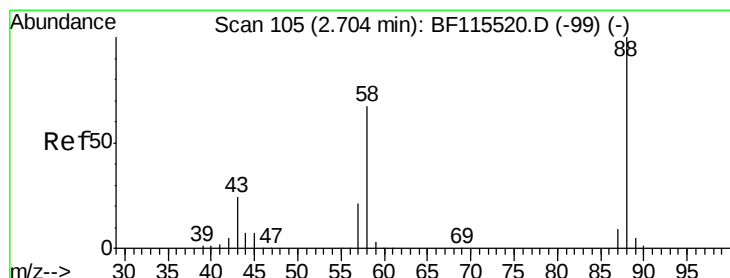
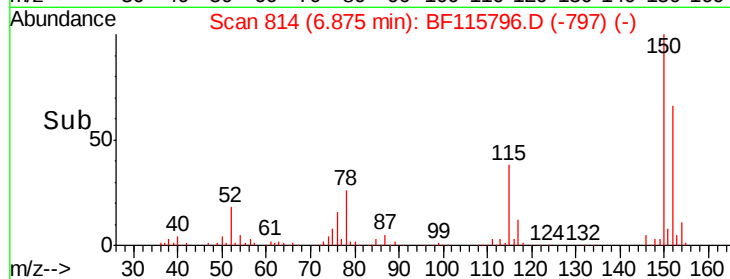
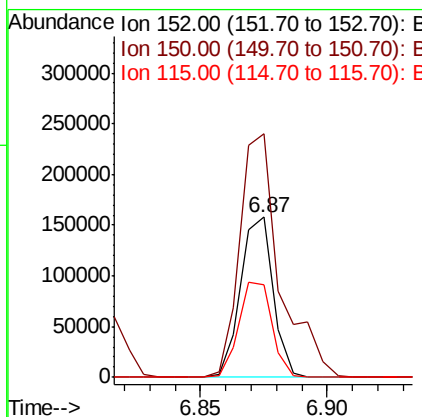
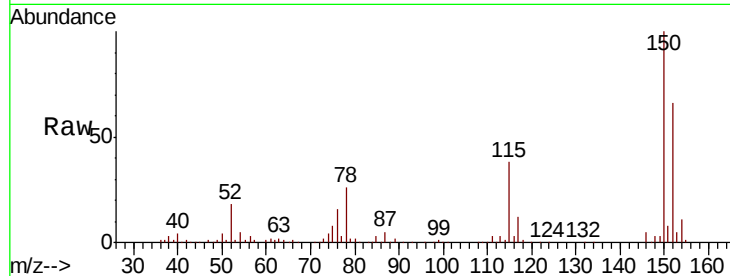
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.6	189.8
115	57.9	47.8	71.6

Manual Integrations
APPROVED

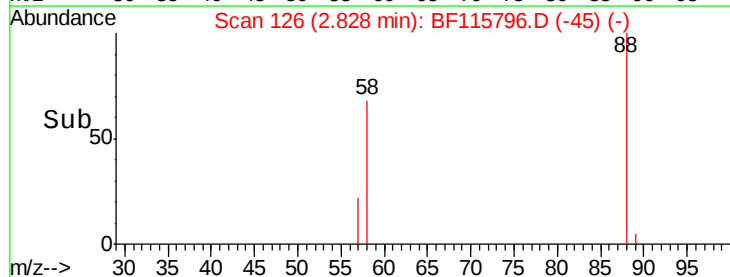
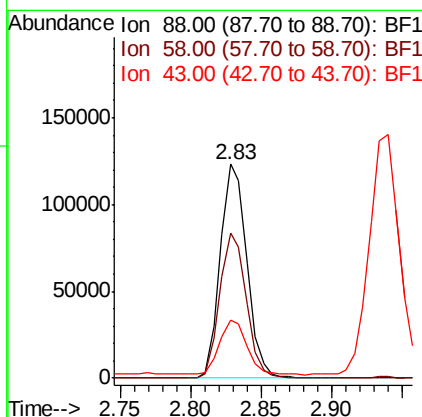
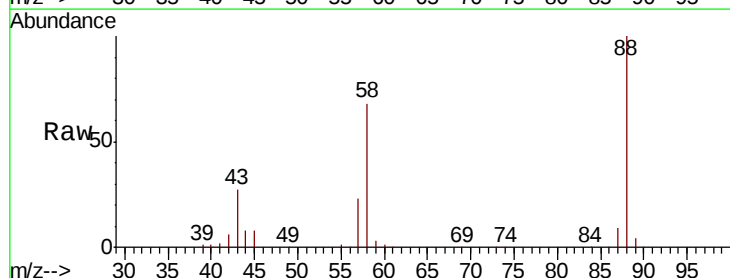
mohammad
7/29/2019 5:29:04 PM

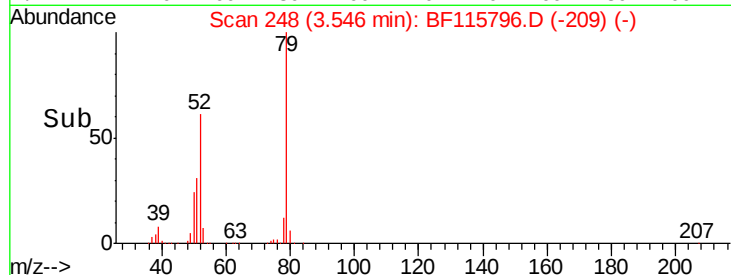
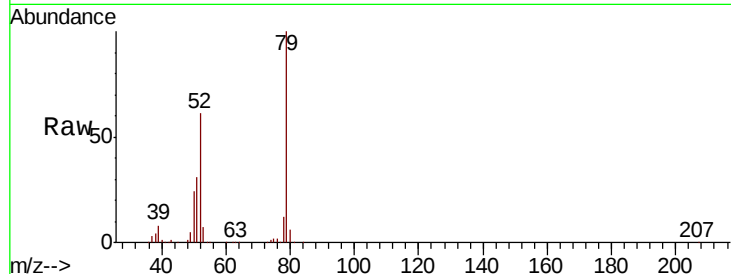
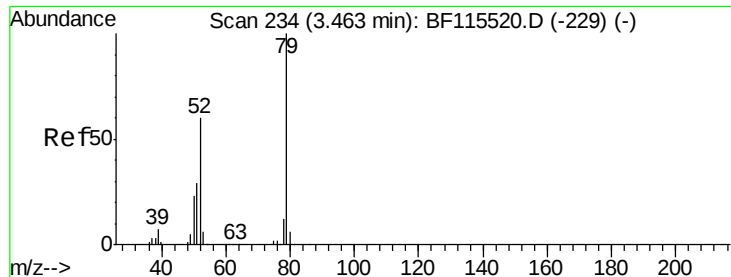


#2

1,4-Dioxane
Concen: 37.314 ng
RT: 2.83 min Scan# 126
Delta R.T. 0.18 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	54.2	81.4
43	0.0	20.8	31.2





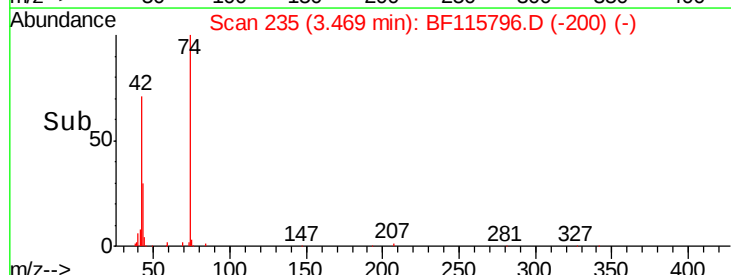
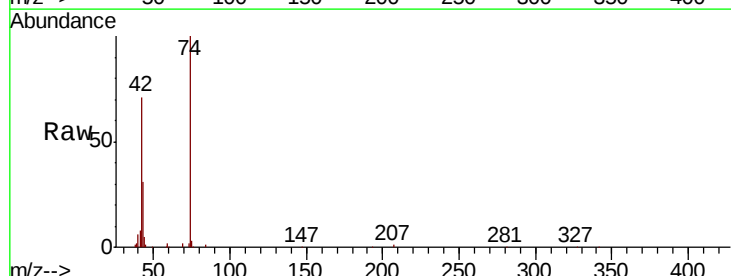
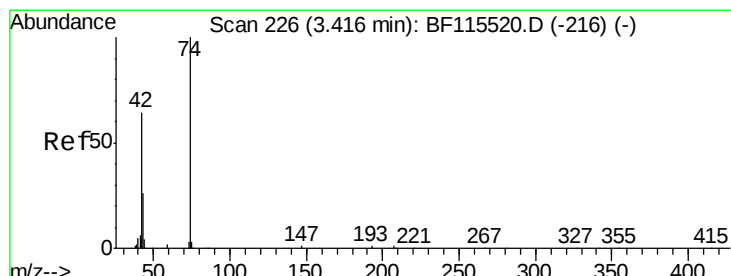
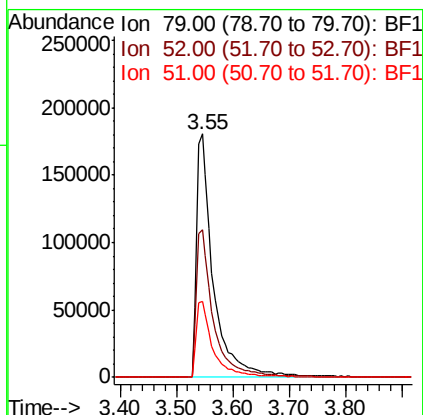
#3
 Pvridine
 Concen: 31.642 ng
 RT: 3.55 min Scan# 248
 Delta R.T. 0.13 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tot Ion	Ratio	Lower	Upper
79	100		
52	60.6	48.4	72.6
51	31.0	24.8	37.2

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

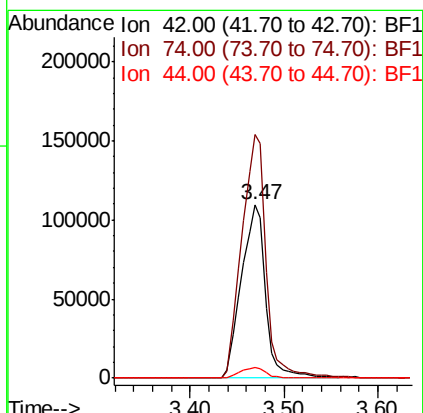
Manual Integrations
 APPROVED

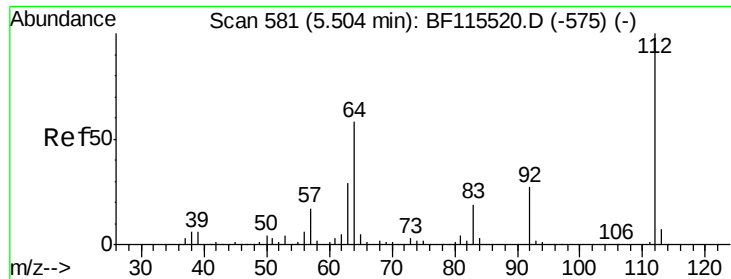
mohammad
 7/29/2019 5:29:04 PM



#4
 n-Nitrosodimethylamine
 Concen: 46.129 ng
 RT: 3.47 min Scan# 235
 Delta R.T. 0.11 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.5	113.4	170.0
44	6.4	5.1	7.7





#5

2-Fluorophenol

Concen: 118.522 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.02 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

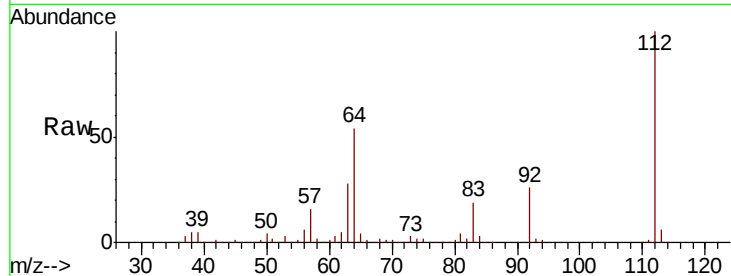
ClientSampleId :

BU-03-072419MSD

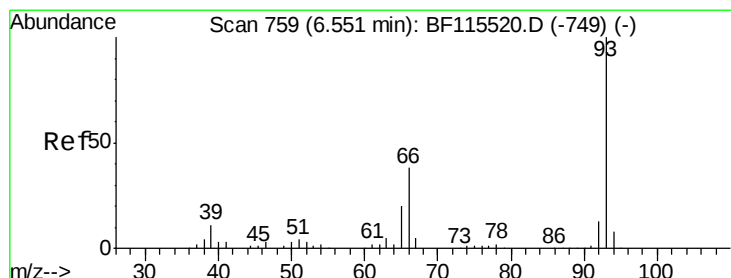
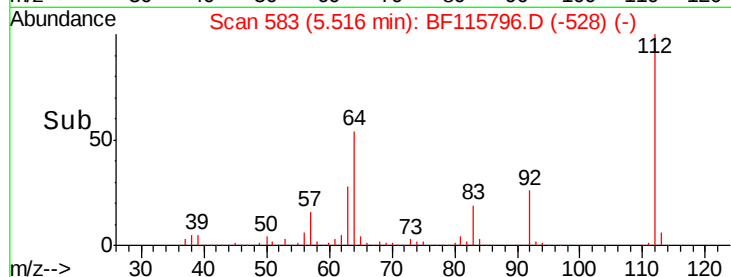
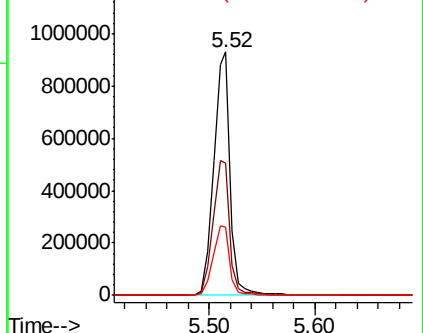
Tot Ion:	112	Resp:	1025302
Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.8	68.8
63	28.3	23.6	35.4

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.403 ng

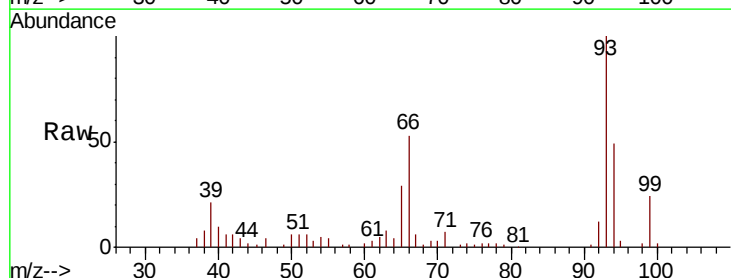
RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

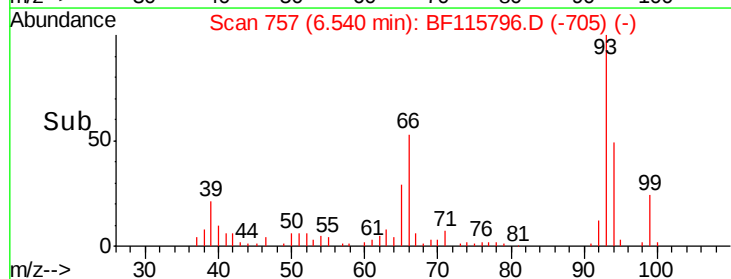
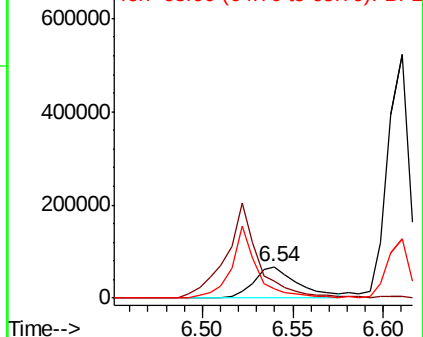
Lab File: BF115796.D

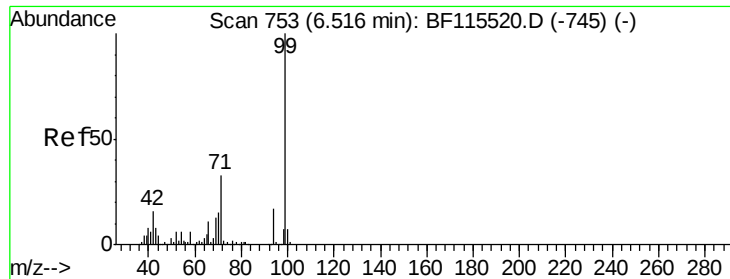
Acq: 26 Jul 2019 19:37

Tgt Ion:	93	Resp:	113084
Ion	Ratio	Lower	Upper
93	100		
66	52.6	32.2	48.2#
65	29.5	16.5	24.7#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.333 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

ClientSampleId :

BU-03-072419MSD

Tot Ion: 99 Resp: 1255013

Ion Ratio Lower Upper

99 100

42 16.7 13.4 20.2

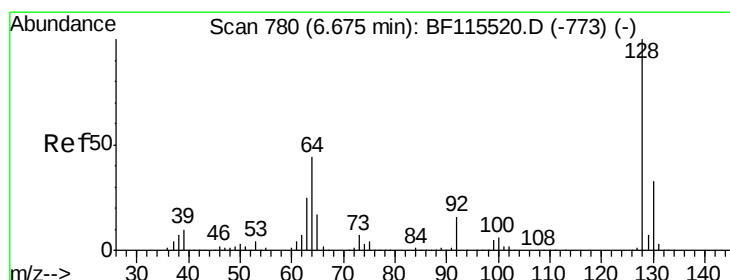
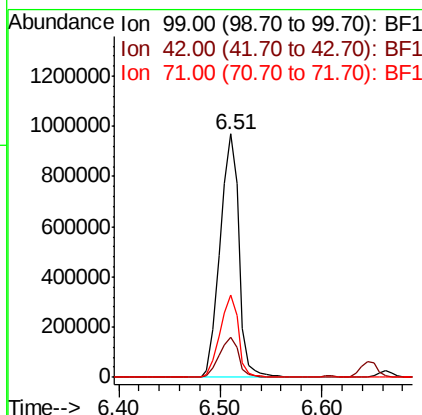
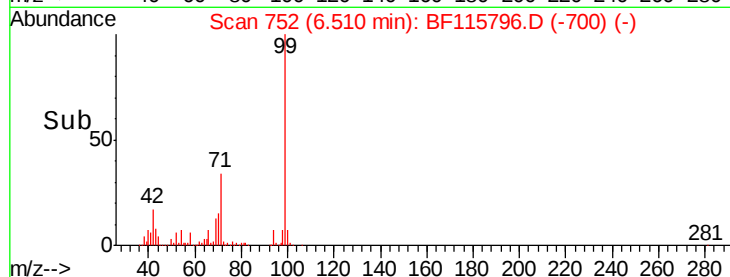
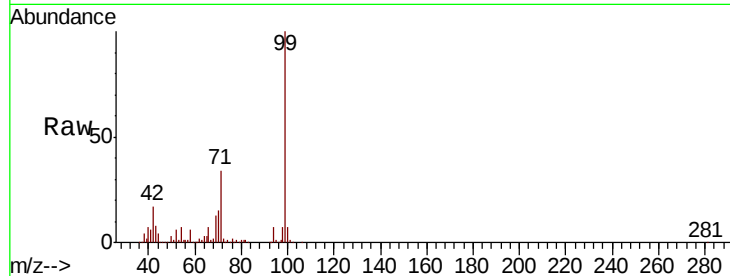
71 33.6 26.7 40.1

Manual Integrations

APPROVED

mohammad

7/29/2019 5:29:04 PM



#8

2-Chlorophenol

Concen: 43.460 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

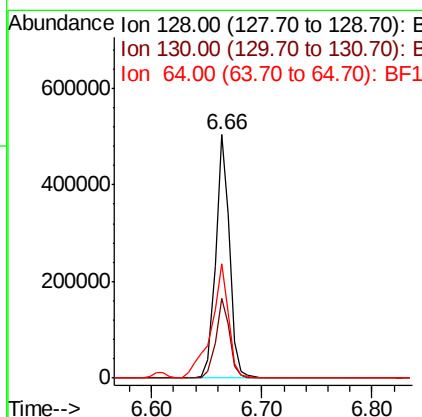
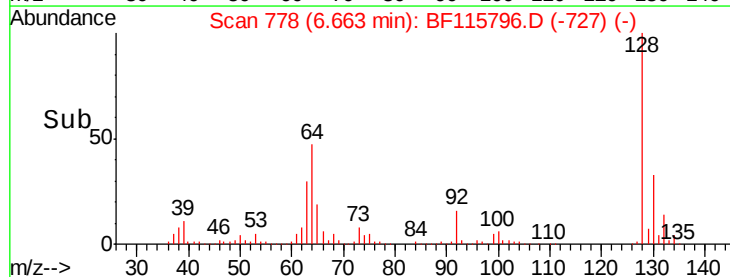
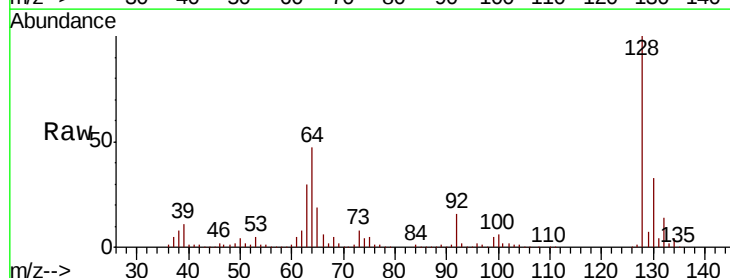
Tgt Ion: 128 Resp: 432256

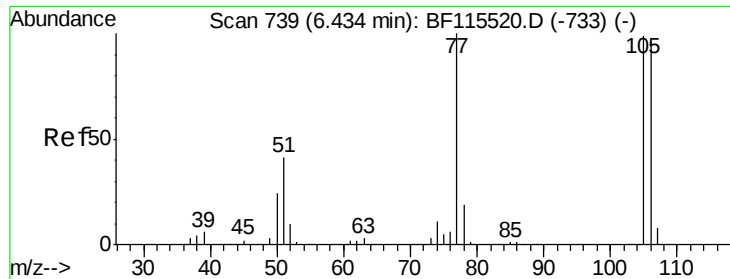
Ion Ratio Lower Upper

128 100

130 33.0 13.8 53.8

64 47.2 22.4 62.4





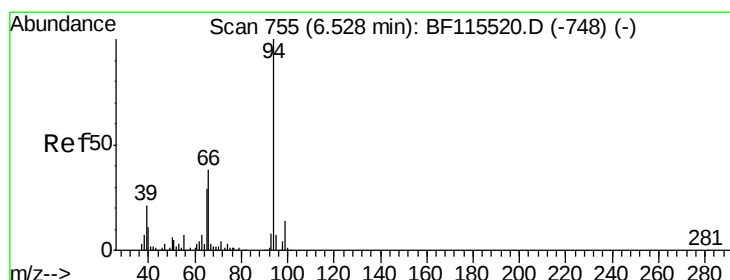
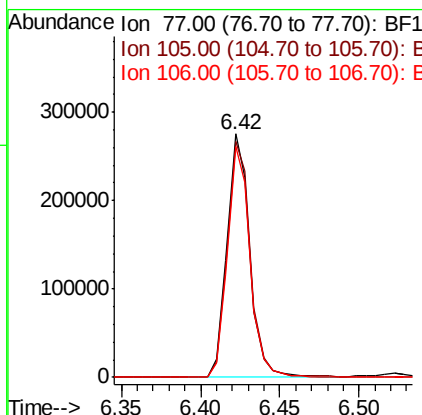
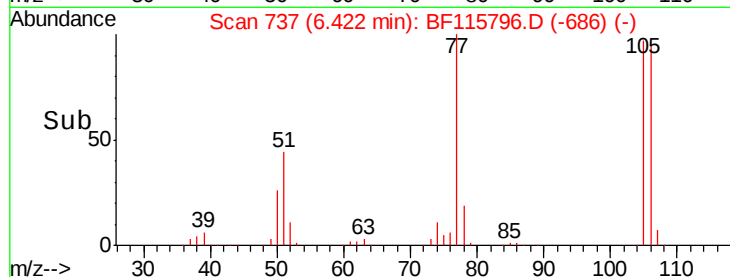
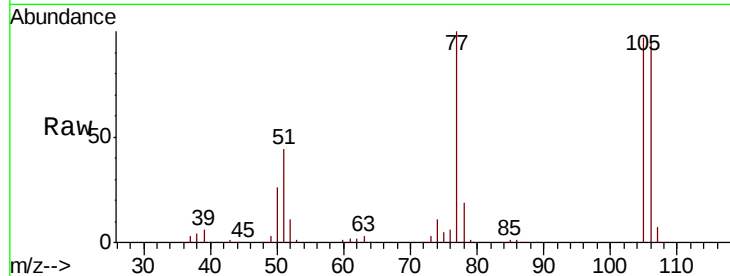
#9
Benzaldehyde
Concen: 39.737 ng
RT: 6.42 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	96.9	77.5	117.5
106	94.7	74.7	114.7

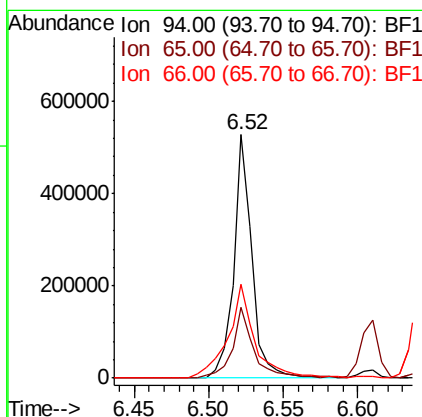
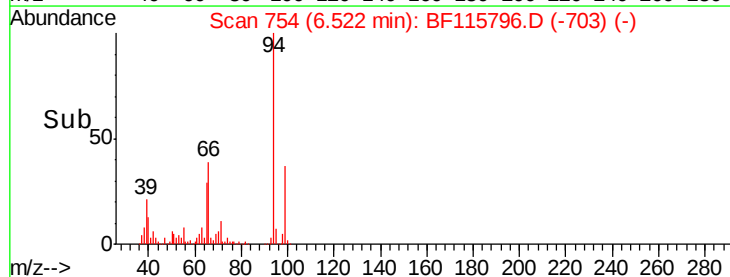
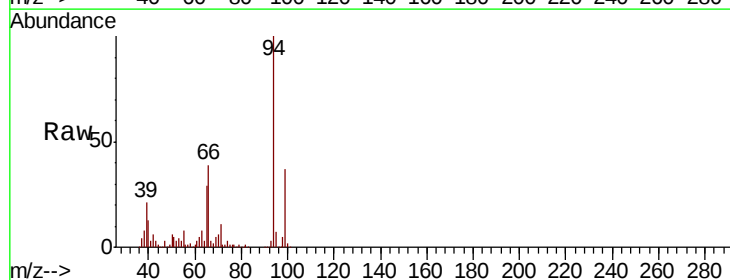
Manual Integrations
APPROVED

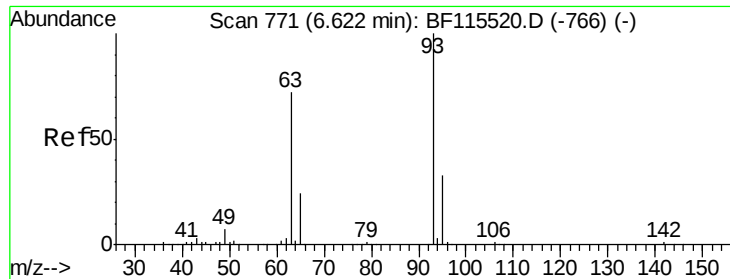
mohammad
7/29/2019 5:29:04 PM



#10
Phenol
Concen: 35.886 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	11.2	51.2
66	38.6	24.4	64.4





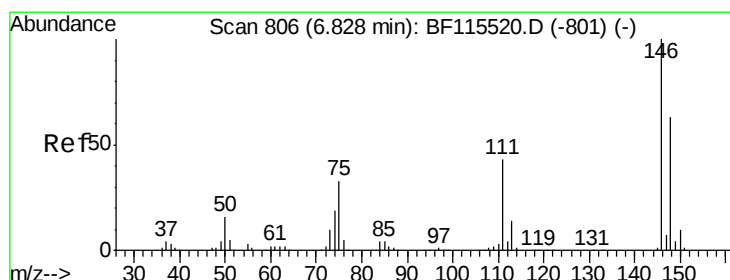
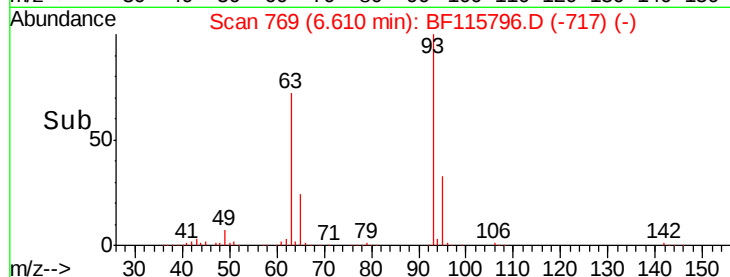
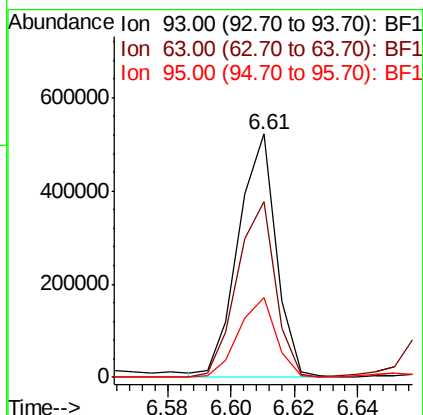
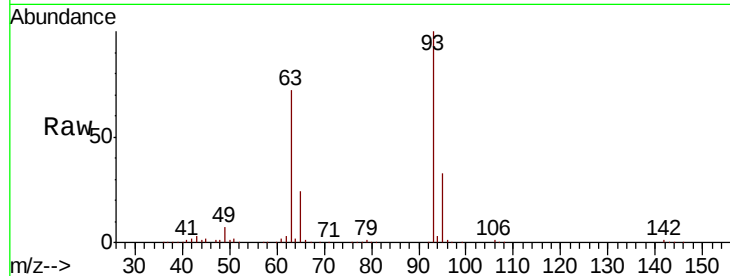
#11
bis(2-Chloroethyl)ether
Concen: 44.244 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	429235		
63	72.4	56.2	96.2	
95	32.6	12.1	52.1	

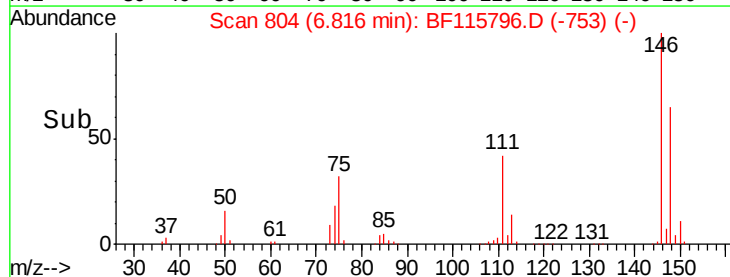
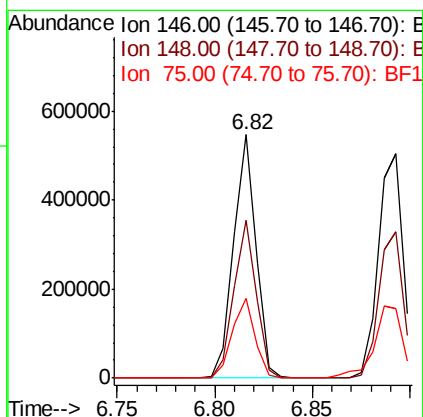
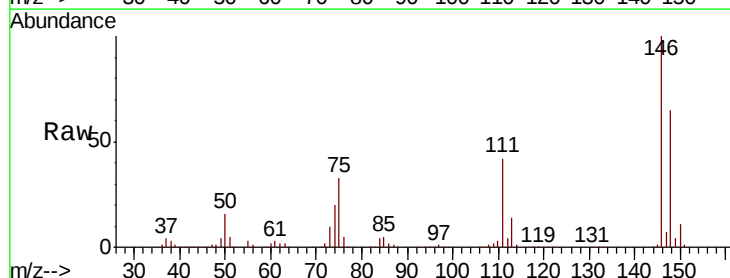
Manual Integrations
APPROVED

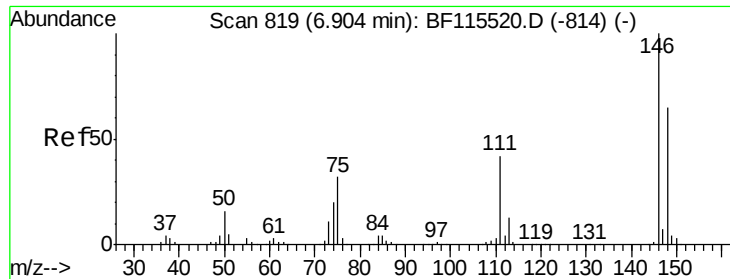
mohammad
7/29/2019 5:29:04 PM



#12
1,3-Dichlorobenzene
Concen: 38.965 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	435729		
148	65.0	51.9	77.9	
75	32.8	25.3	37.9	





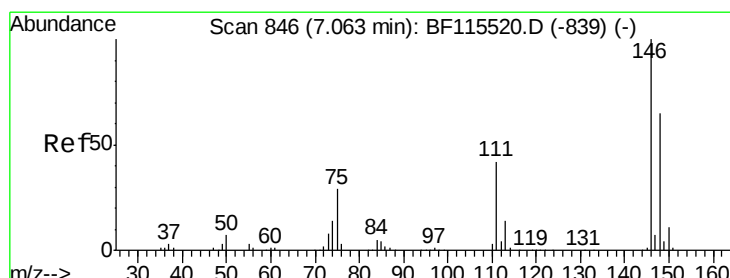
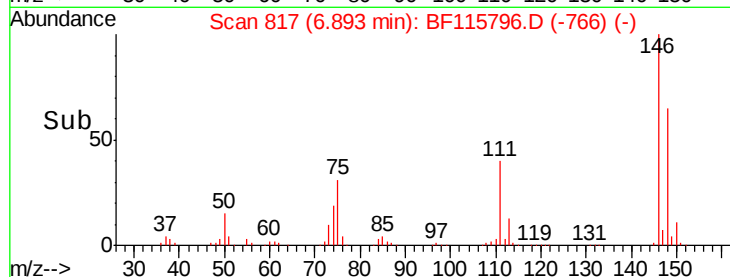
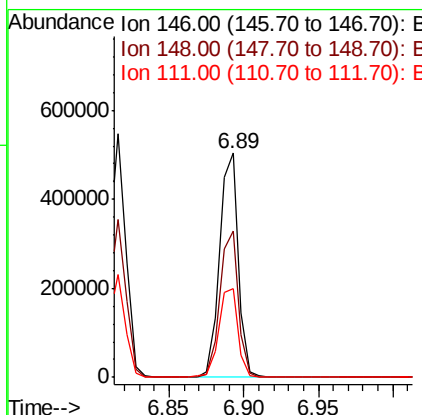
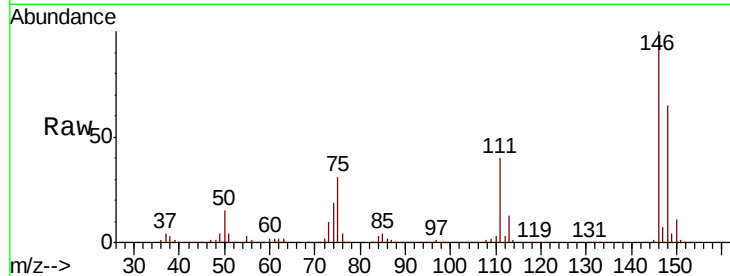
#13
1,4-Dichlorobenzene
Concen: 40.122 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.7	79.1
111	39.7	32.2	48.4

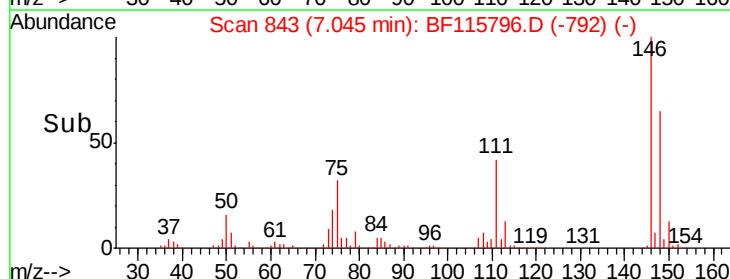
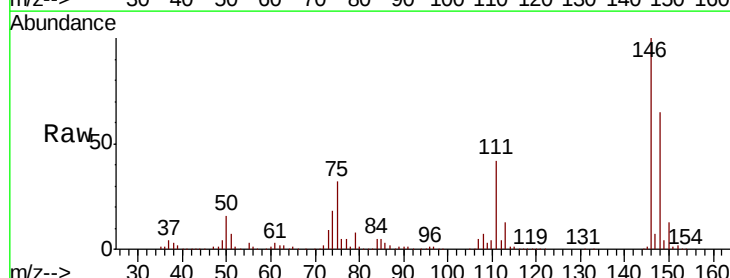
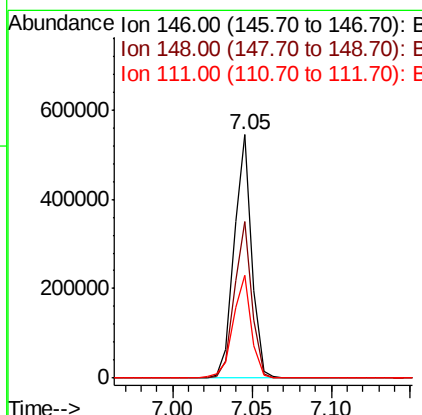
Manual Integrations
APPROVED

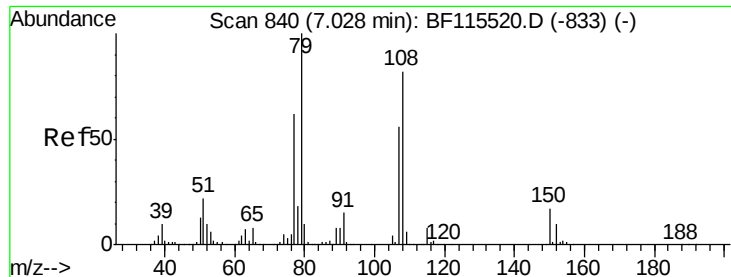
mohammad
7/29/2019 5:29:04 PM



#14
1,2-Dichlorobenzene
Concen: 40.834 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.8
111	42.3	34.6	51.8





#15

Benzyl Alcohol

Concen: 43.223 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

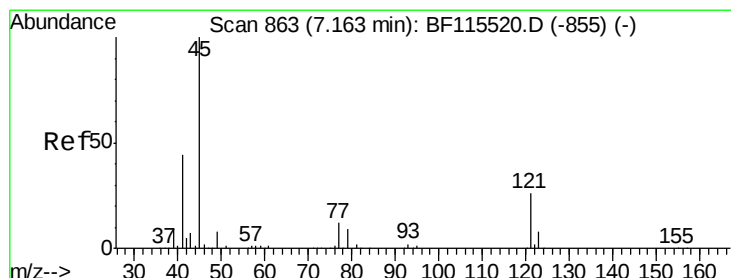
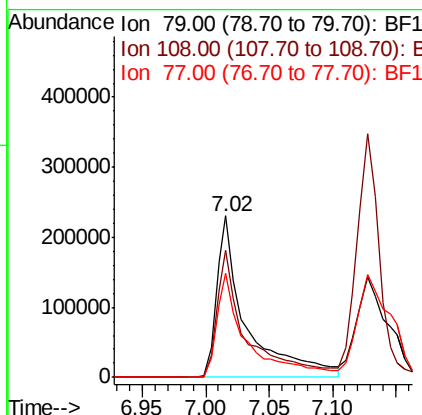
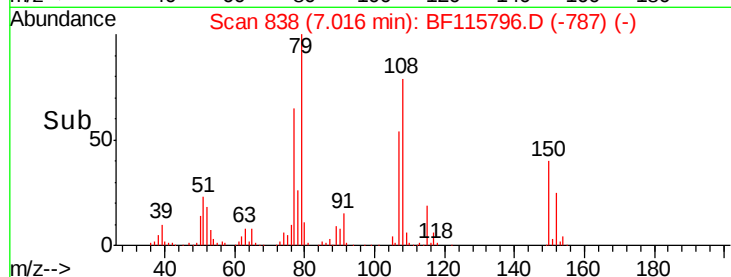
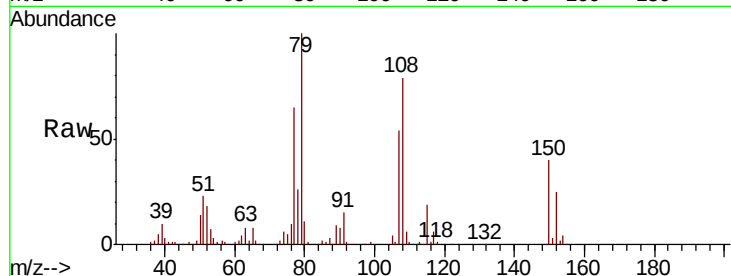
ClientSampleId :

BU-03-072419MSD

Tot Ion:	79	Resp:	376371
Ion Ratio	Lower	Upper	
79	100		
108	78.9	65.4	98.2
77	64.5	52.7	79.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.440 ng

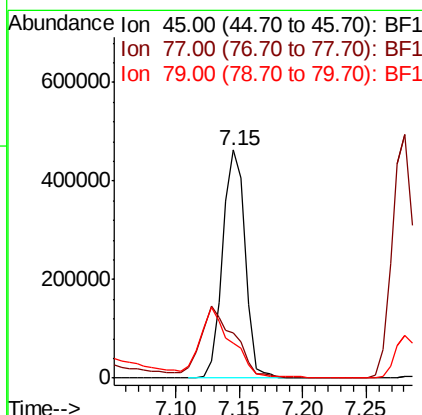
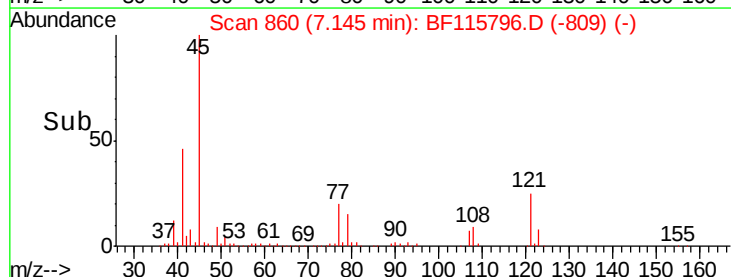
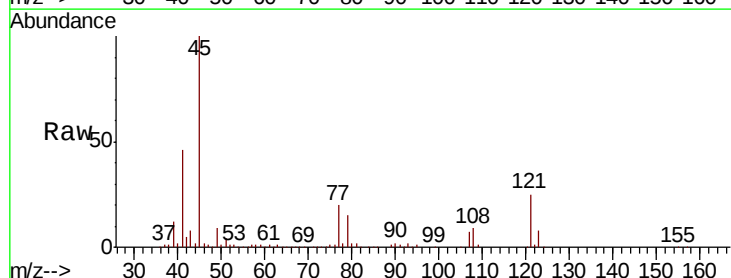
RT: 7.15 min Scan# 860

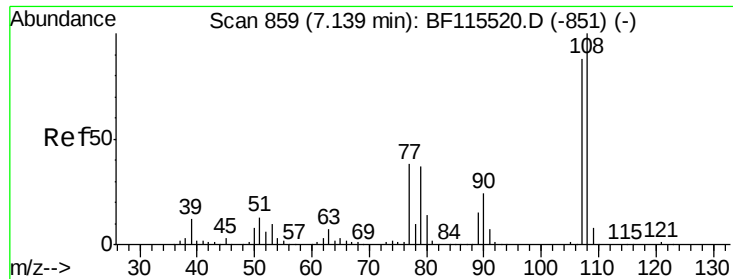
Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Tgt Ion:	45	Resp:	567612
Ion Ratio	Lower	Upper	
45	100		
77	19.6	0.0	36.8
79	15.4	0.0	33.1





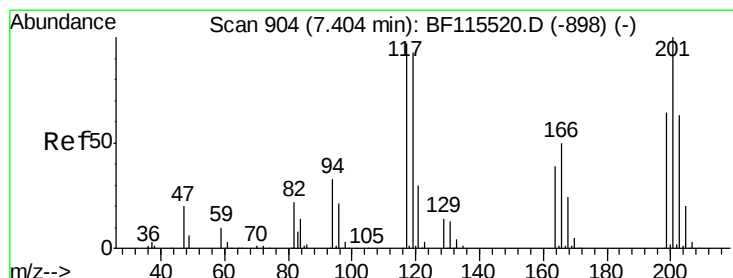
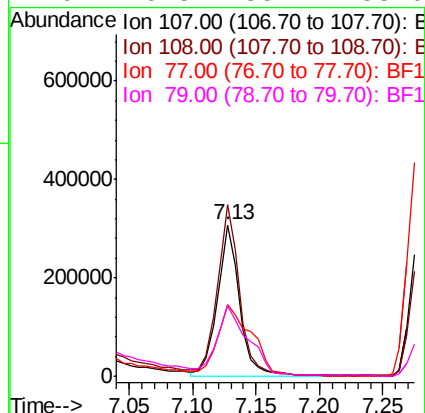
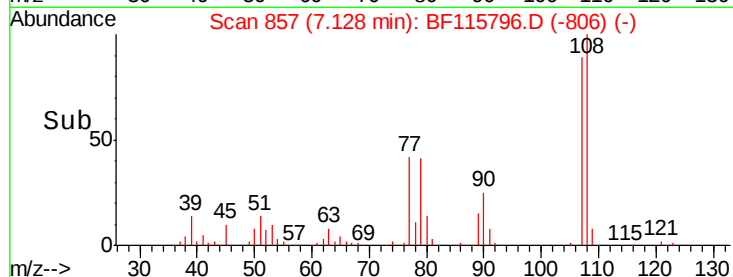
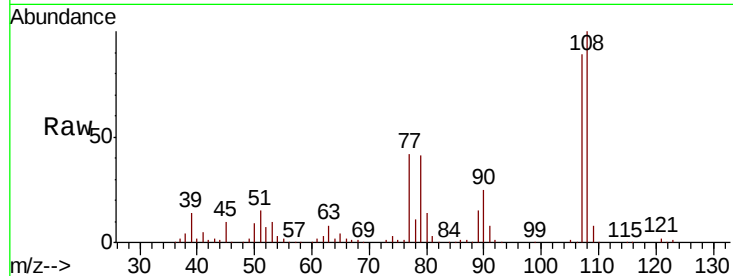
#17
2-Methylphenol
Concen: 43.613 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.9	91.3	136.9	
77	47.5	36.9	55.3	
79	46.5	35.4	53.0	

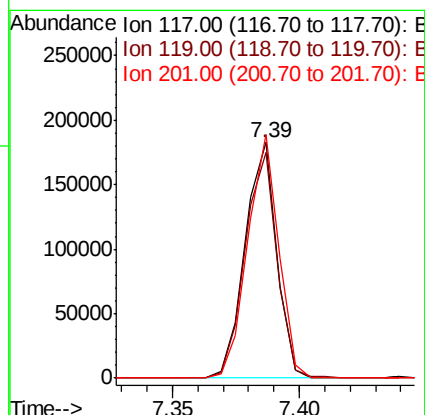
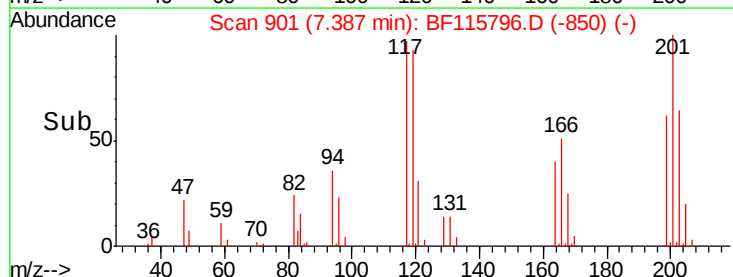
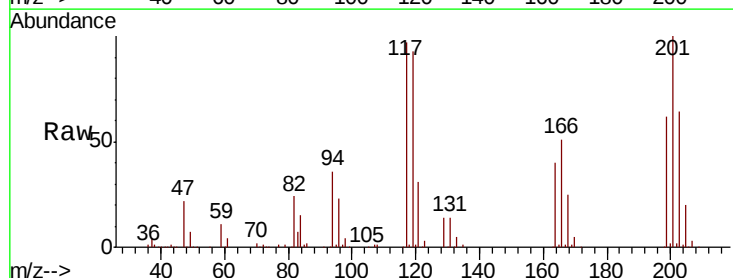
Manual Integrations
APPROVED

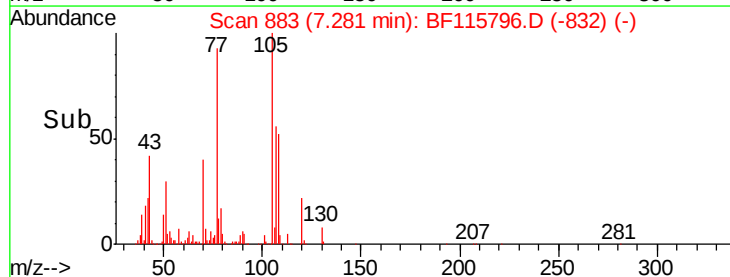
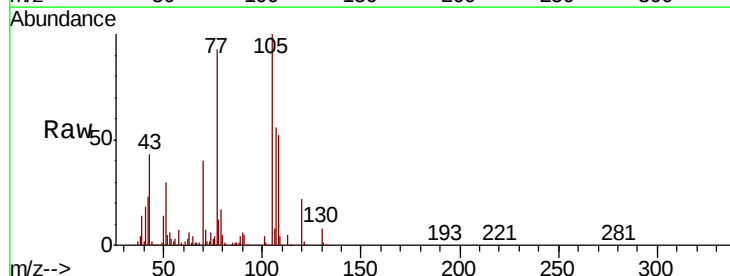
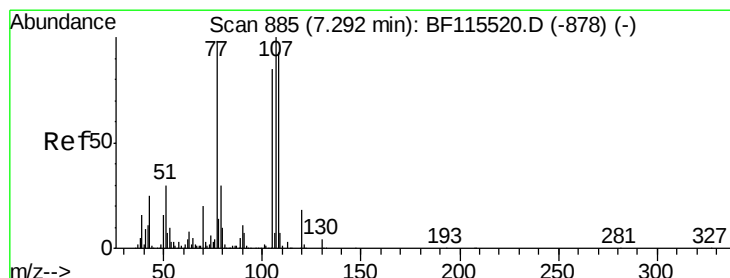
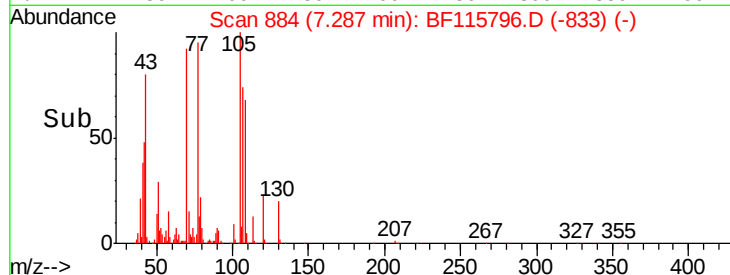
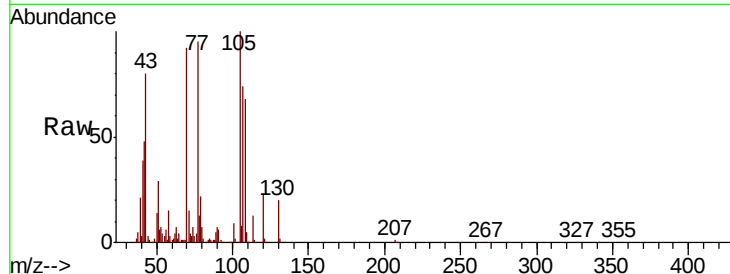
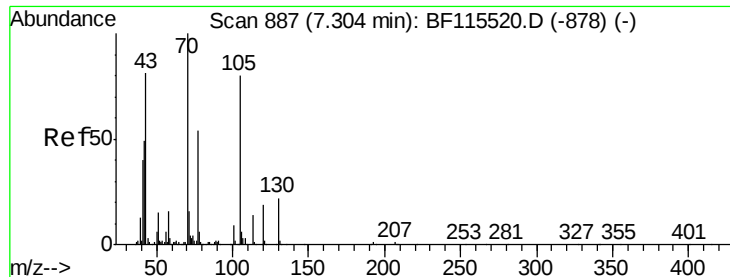
mohammad
7/29/2019 5:29:04 PM



#18
Hexachloroethane
Concen: 38.167 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	74.8	112.2	
201	103.3	77.6	116.4	





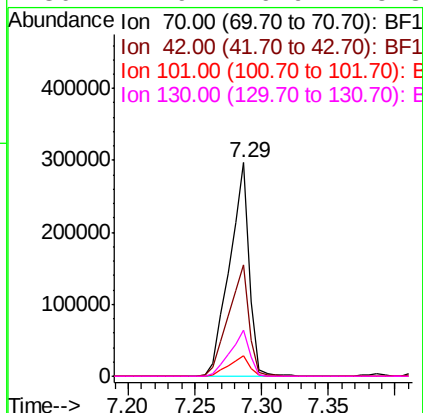
#19
n-Nitroso-di-n-propylamine
Concen: 43.451 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.0	41.8	62.8	
101	9.5	7.6	11.4	
130	21.9	16.9	25.3	

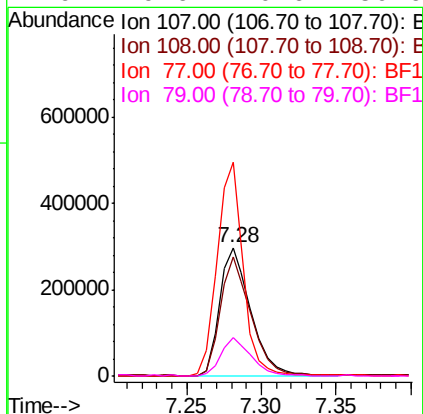
Manual Integrations
APPROVED

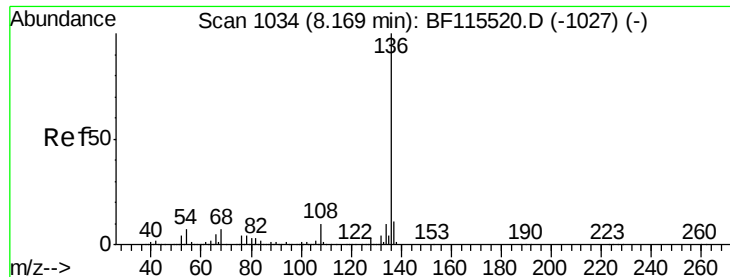
mohammad
7/29/2019 5:29:04 PM



#20
3+4-Methylphenols
Concen: 42.278 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.1	73.0	113.0	
77	166.7	107.5	147.5	
79	29.6	10.6	50.6	





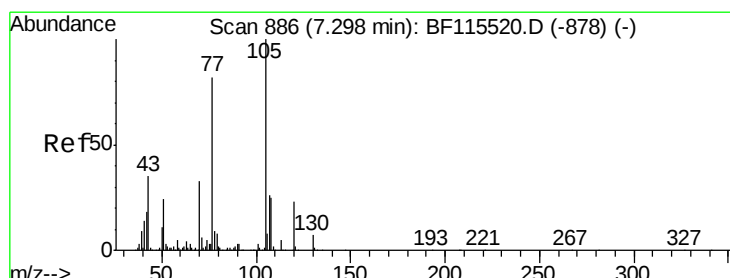
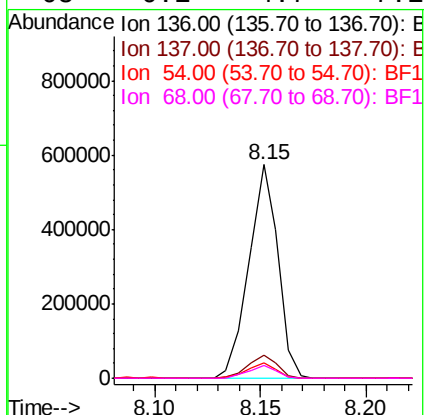
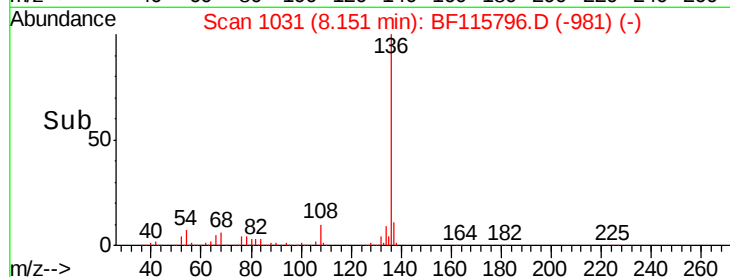
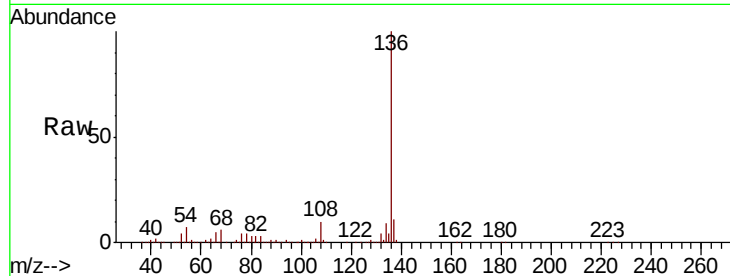
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		549465		
137	10.8		8.7	13.1	
54	7.0		5.0	7.6	
68	6.1		4.7	7.1	

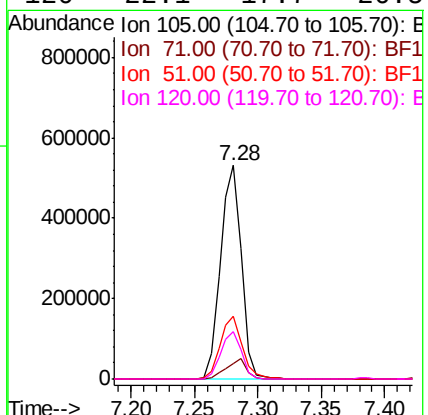
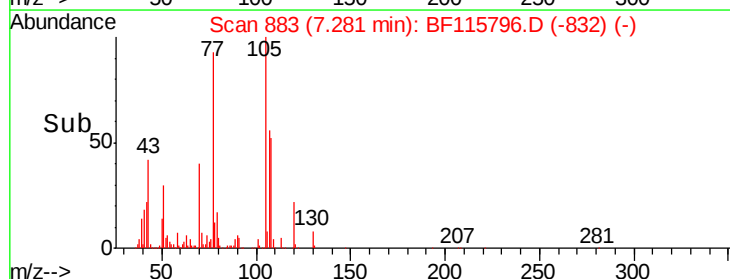
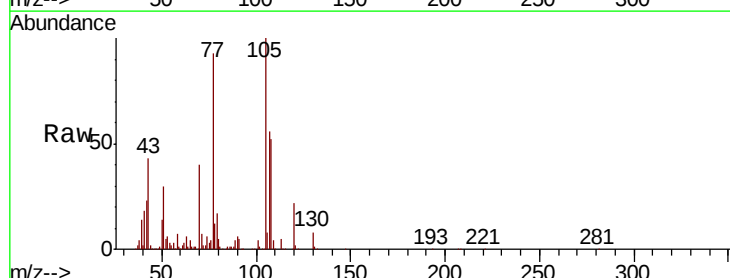
Manual Integrations
APPROVED

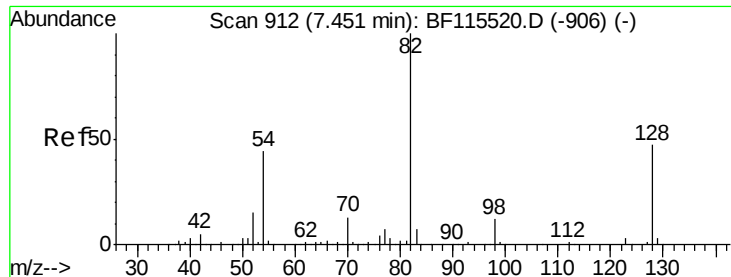
mohammad
7/29/2019 5:29:04 PM



#22
Acetophenone
Concen: 49.117 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		609695		
71	6.9		4.7	7.1	
51	29.6		25.6	38.4	
120	22.1		17.7	26.5	





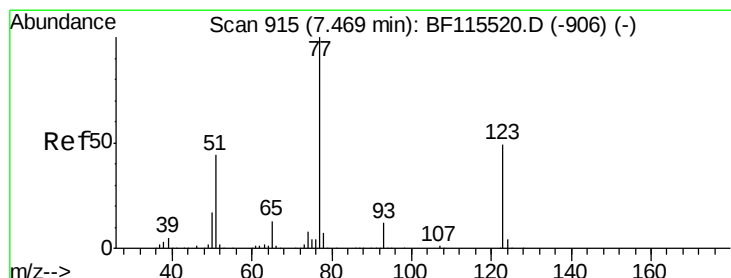
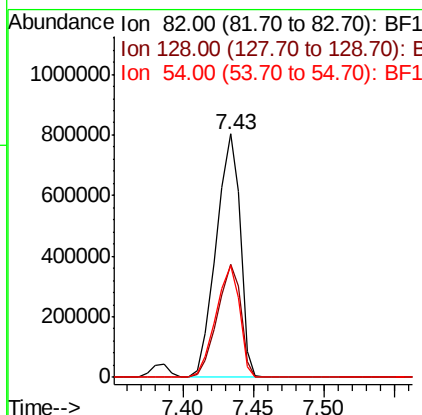
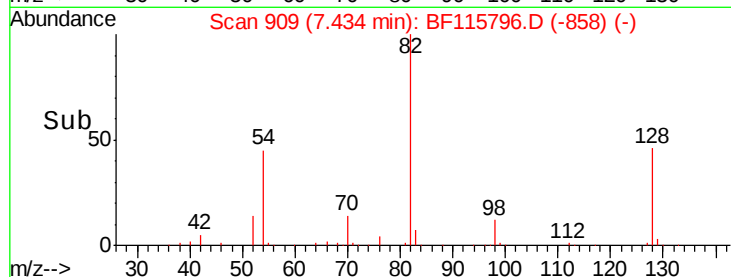
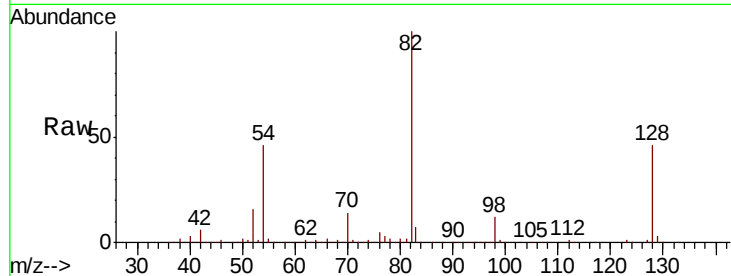
#23
Nitrobenzene-d5
Concen: 100.597 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.6	55.0
54	46.0	36.6	54.8

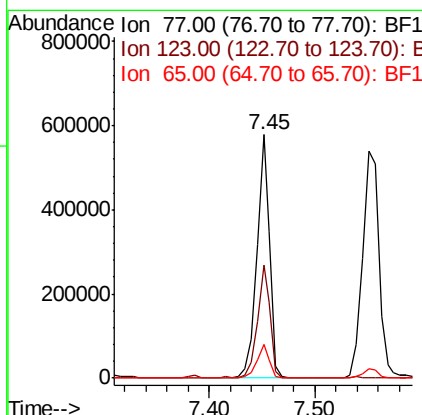
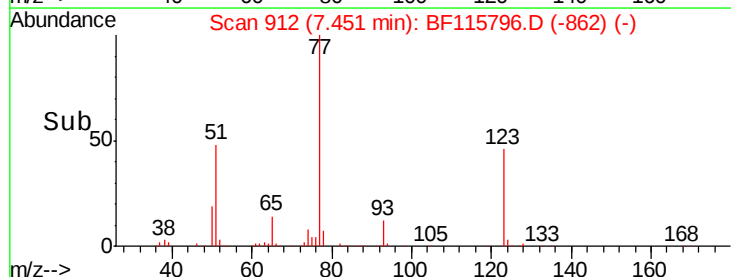
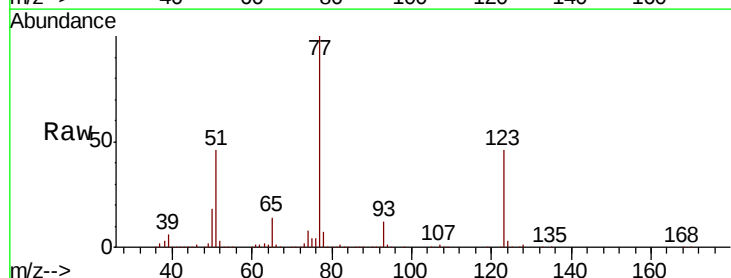
Manual Integrations
APPROVED

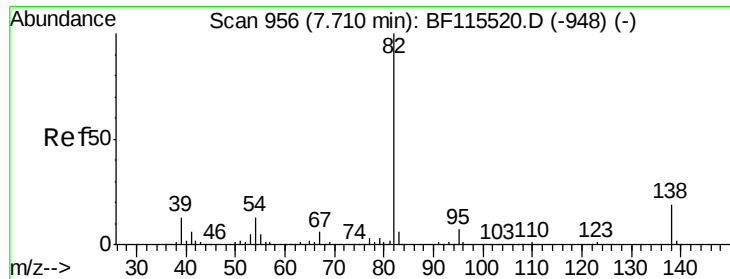
mohammad
7/29/2019 5:29:04 PM



#24
Nitrobenzene
Concen: 48.643 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.2	39.9	59.9
65	13.6	10.5	15.7





#25

Isophorone

Concen: 47.887 ng

RT: 7.69 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

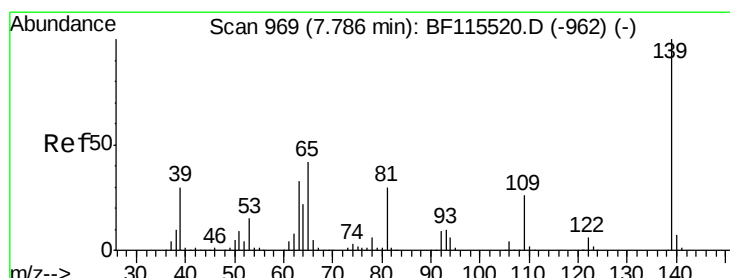
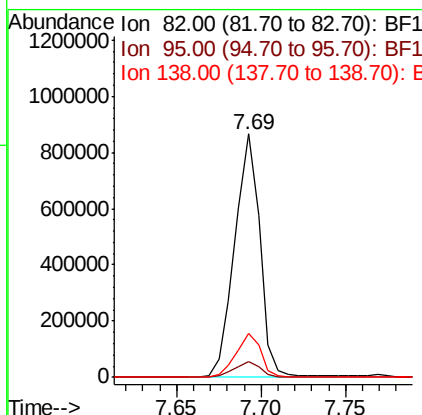
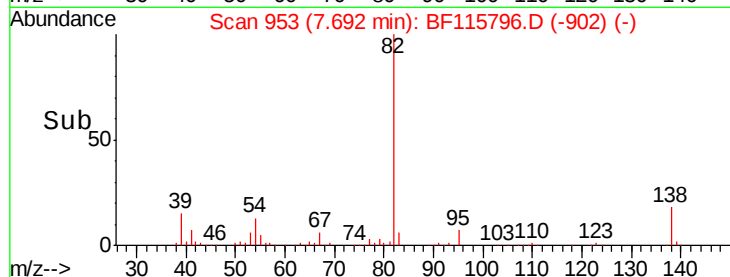
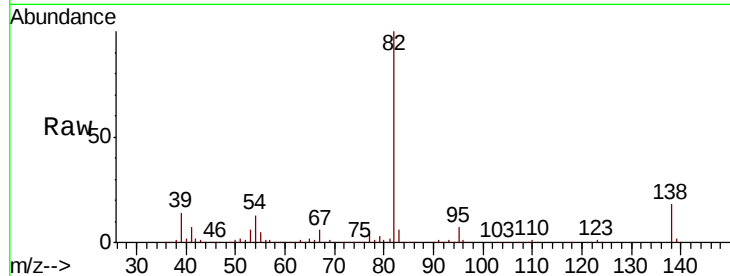
ClientSampleId :

BU-03-072419MSD

Tot Ion:	82	Resp:	905494
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.6	8.4
138	17.8	14.2	21.4

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



#26

2-Nitrophenol

Concen: 46.030 ng

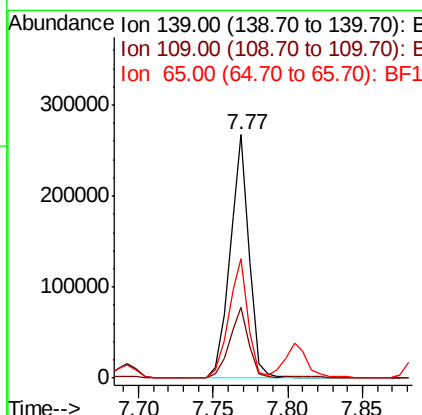
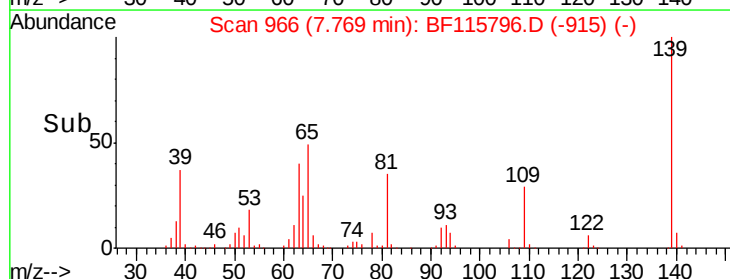
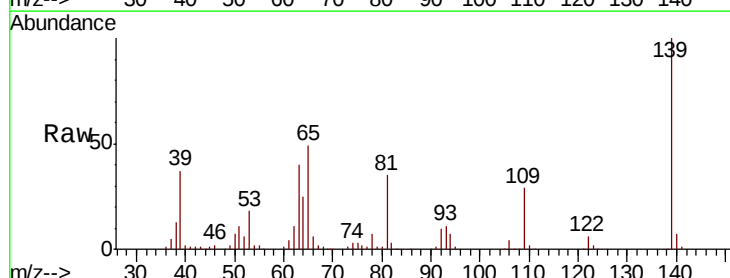
RT: 7.77 min Scan# 966

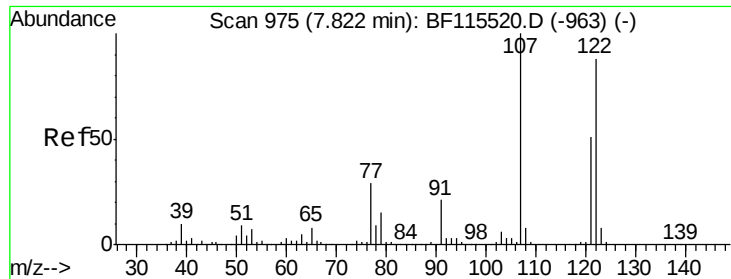
Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Tgt Ion:	139	Resp:	241477
Ion Ratio	Lower	Upper	
139	100		
109	28.9	23.2	34.8
65	49.3	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 51.016 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

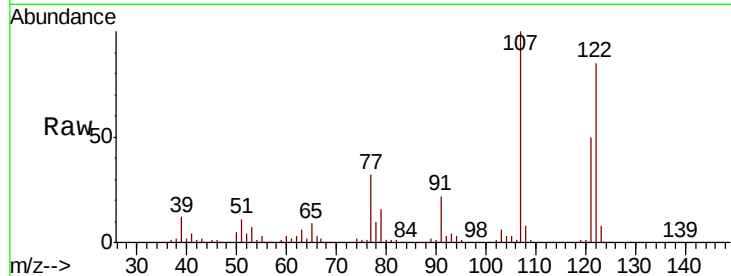
ClientSampleId :

BU-03-072419MSD

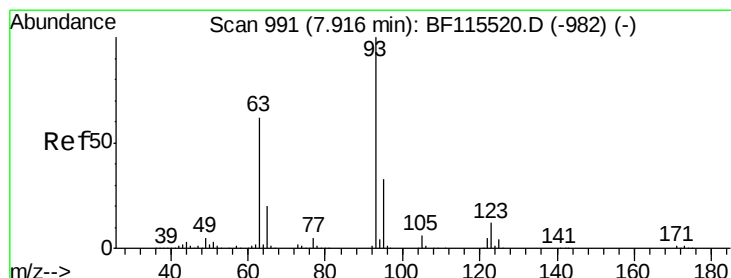
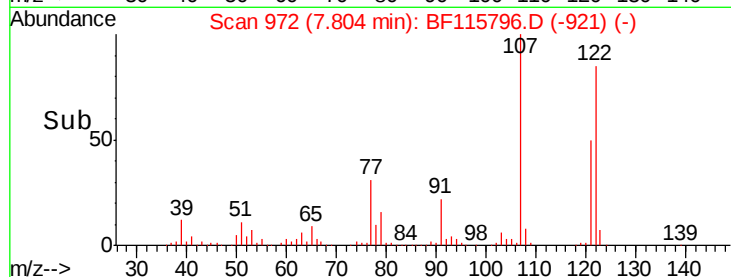
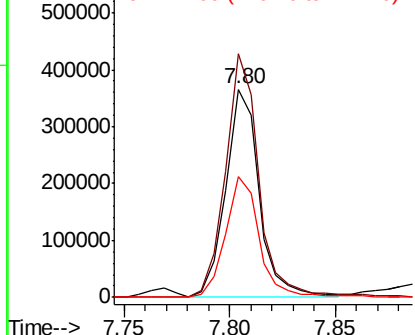
Tot Ion:	122	Resp:	400449
Ion Ratio	Lower	Upper	
122	100		
107	117.0	92.6	138.8
121	58.1	46.2	69.4

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



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



#28

bis(2-Chloroethoxy)methane

Concen: 48.080 ng

RT: 7.90 min Scan# 988

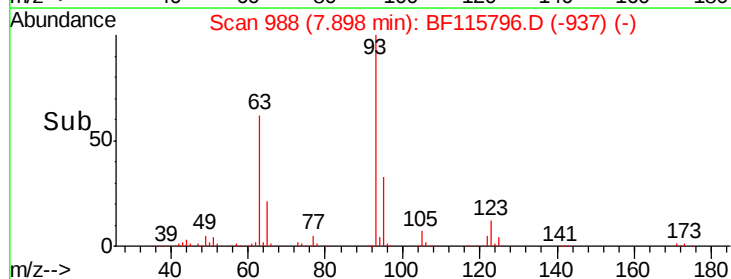
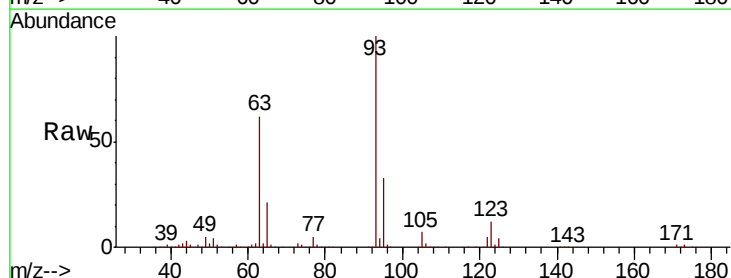
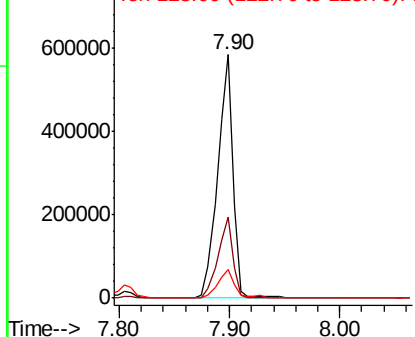
Delta R.T. 0.00 min

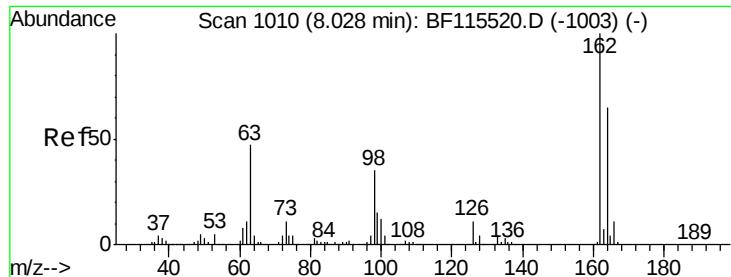
Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Tgt Ion:	93	Resp:	557734
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.2	39.4
123	11.8	9.3	13.9

Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





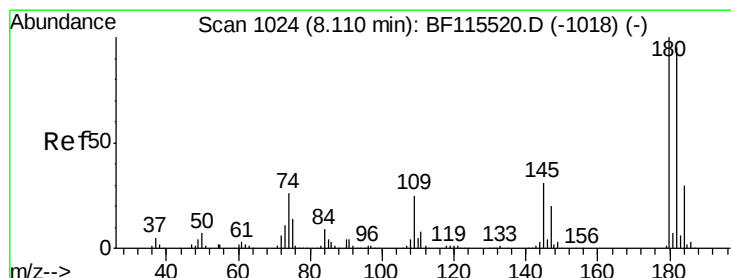
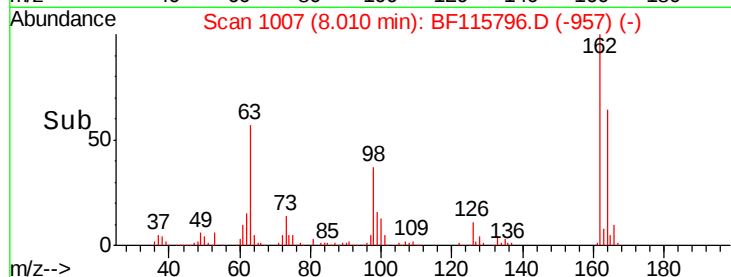
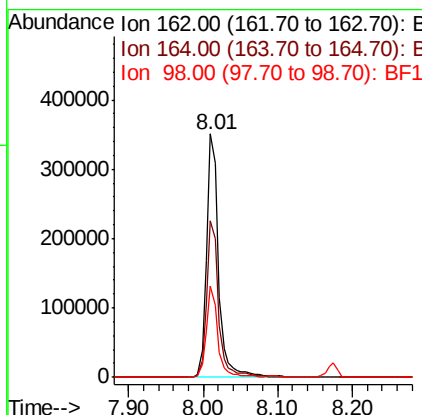
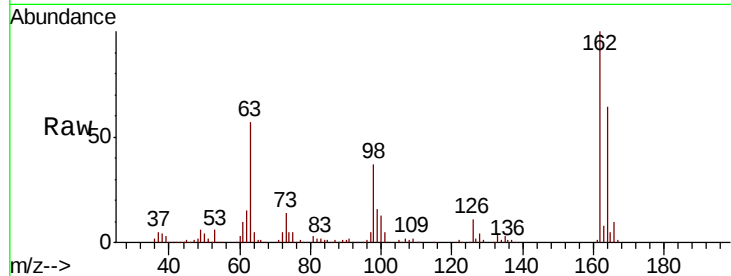
#29
 2,4-Dichlorophenol
 Concen: 48.635 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	397026		
164	64.4	44.1	84.1	
98	37.4	12.9	52.9	

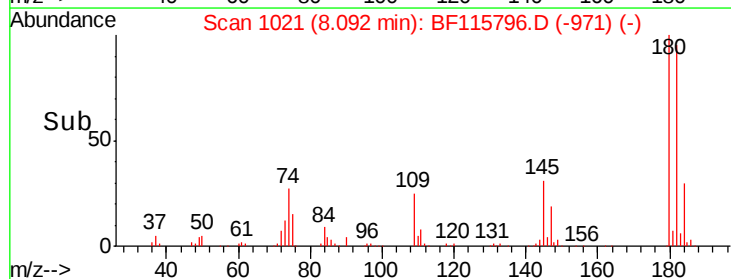
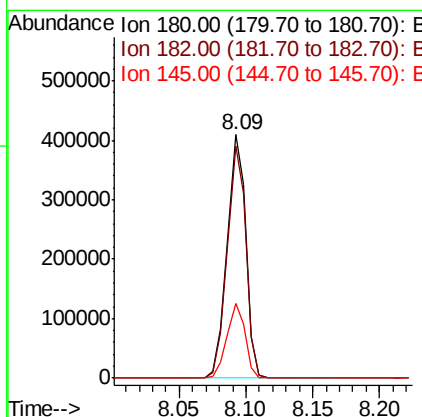
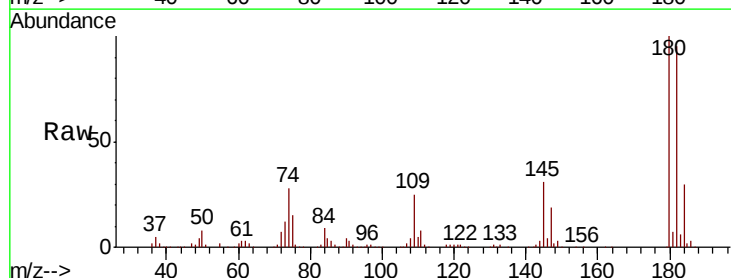
Manual Integrations
 APPROVED

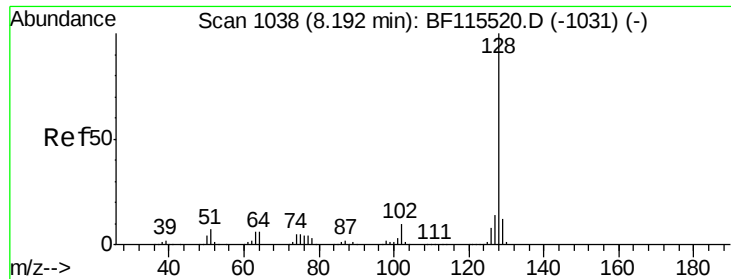
mohammad
 7/29/2019 5:29:04 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 44.260 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	408421		
182	95.1	76.7	115.1	
145	30.7	23.6	35.4	





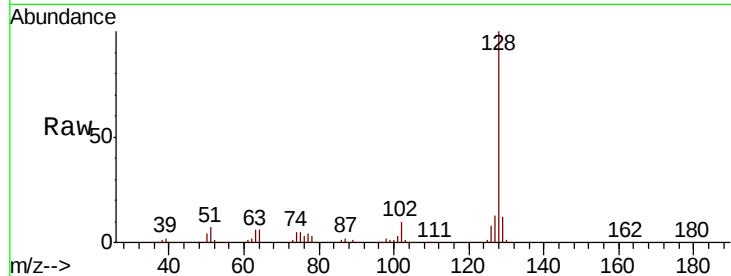
#31
Naphthalene
Concen: 48.114 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

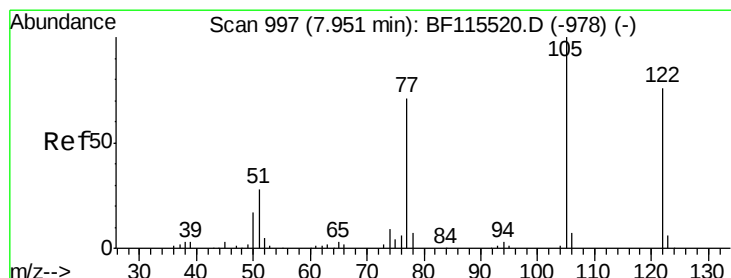
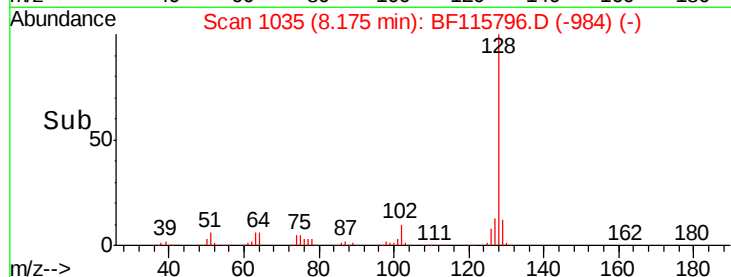
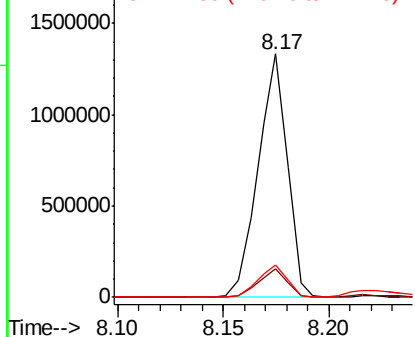
Tot Ion:128 Resp: 1280344
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.2 10.9 16.3

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM

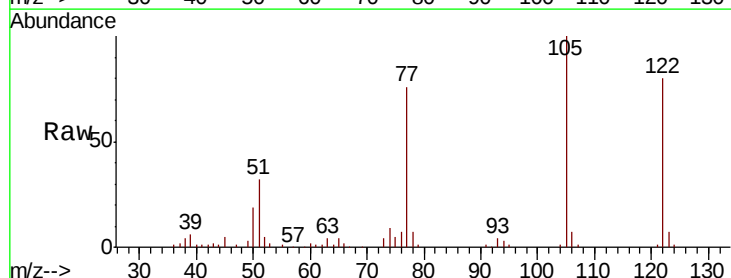


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

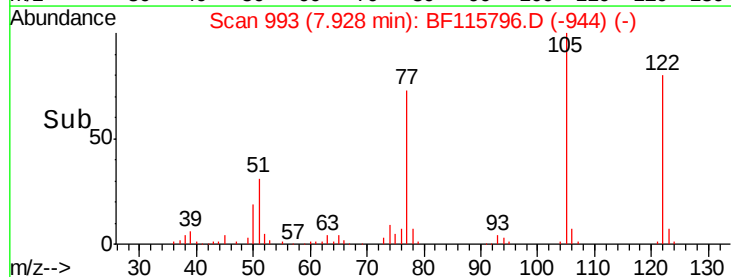
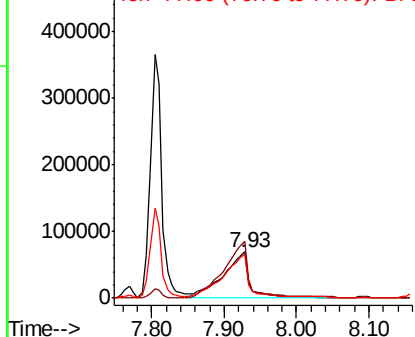


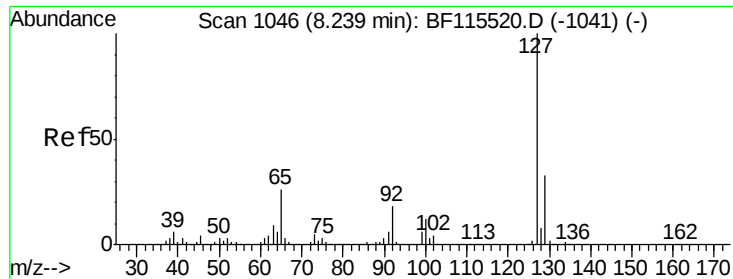
#32
Benzoic acid
Concen: 26.933 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion:122 Resp: 173497
Ion Ratio Lower Upper
122 100
105 124.8 102.0 142.0
77 94.7 73.6 113.6



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





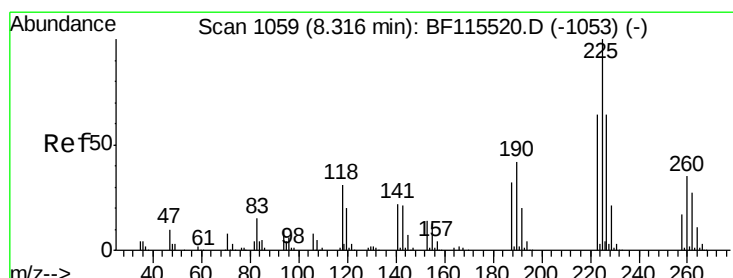
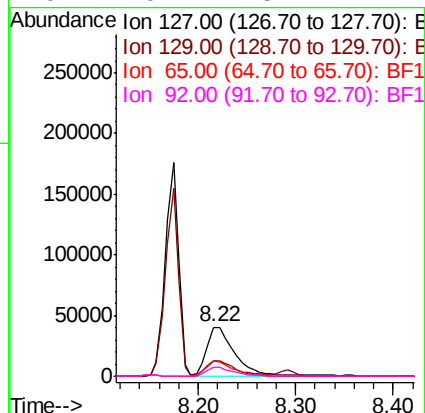
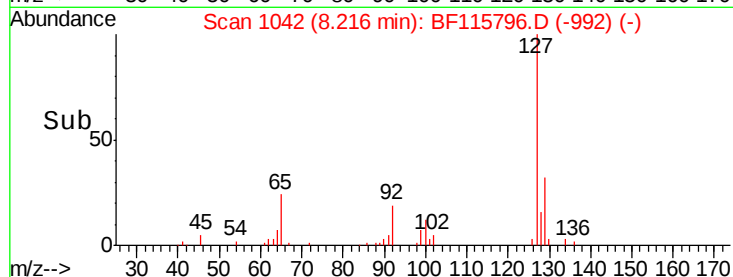
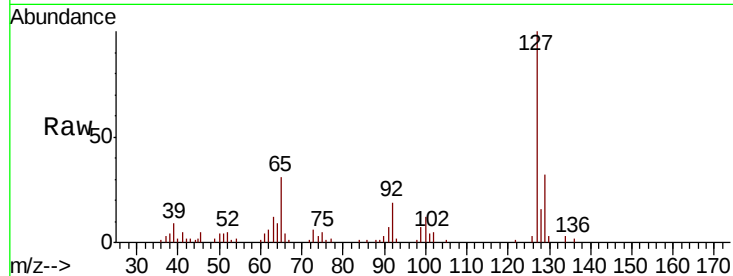
#33
4-Chloroaniline
Concen: 6.778 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		79891		
129	32.3	26.3	39.5		
65	30.9	23.8	35.8		
92	19.2	15.1	22.7		

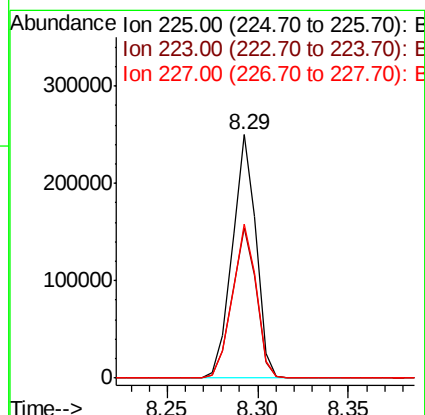
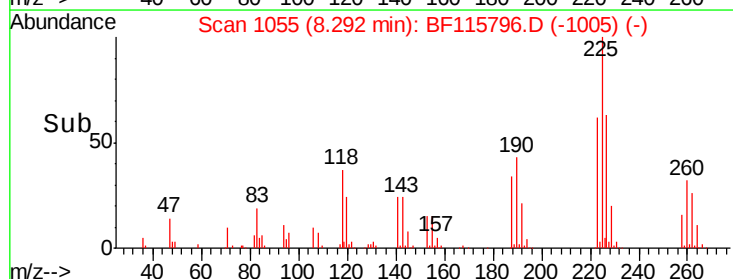
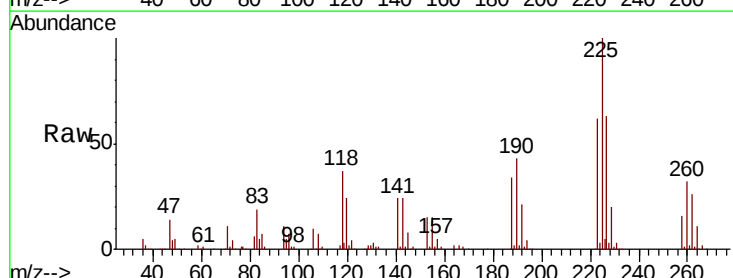
Manual Integrations
APPROVED

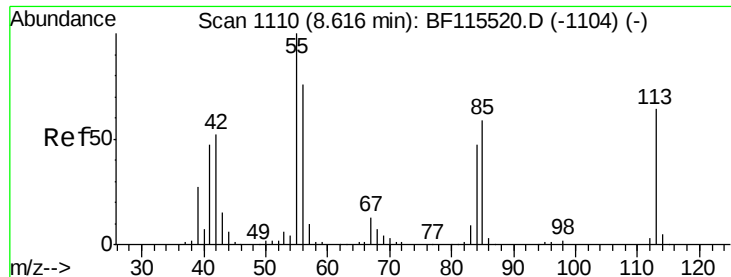
mohammad
7/29/2019 5:29:04 PM



#34
Hexachlorobutadiene
Concen: 43.024 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		227670		
223	61.8	51.0	76.6		
227	63.4	52.8	79.2		





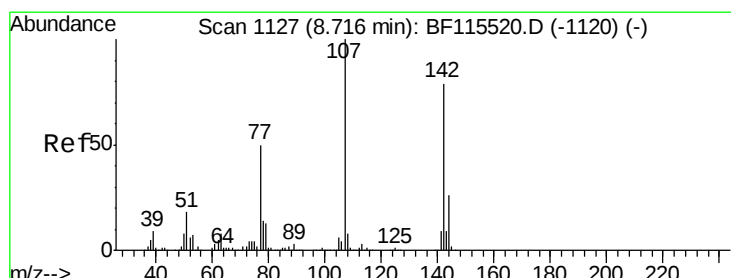
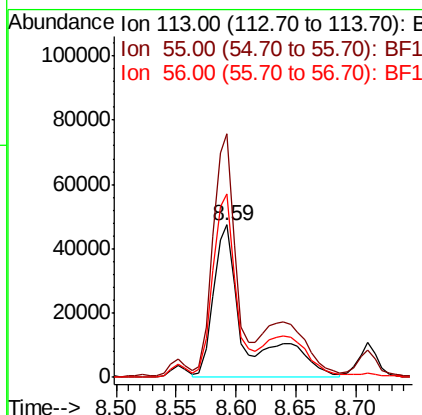
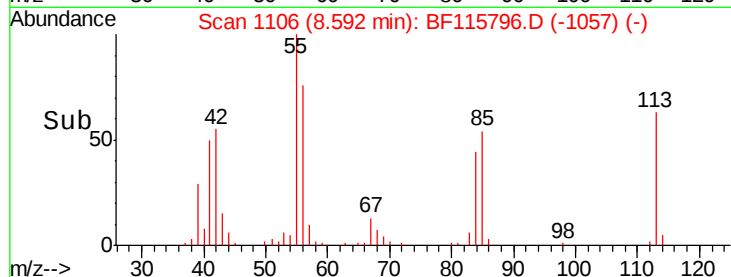
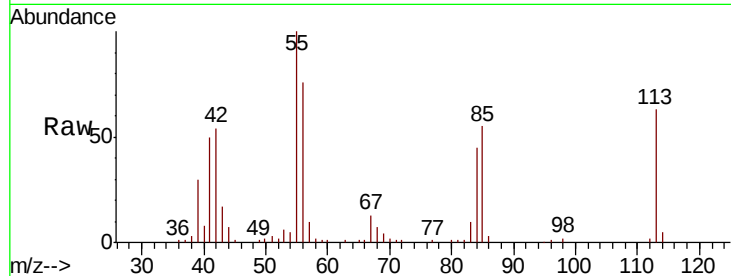
#35
Caprolactam
Concen: 35.775 ng/ml
RT: 8.59 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	159.5	130.5	170.5
56	120.6	93.1	133.1

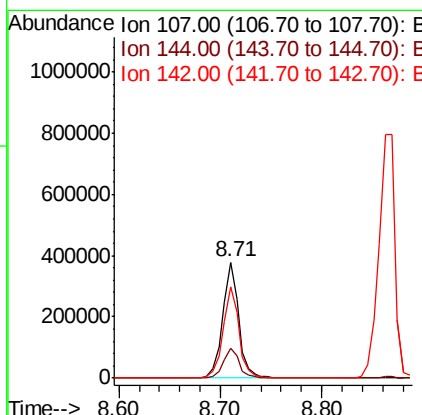
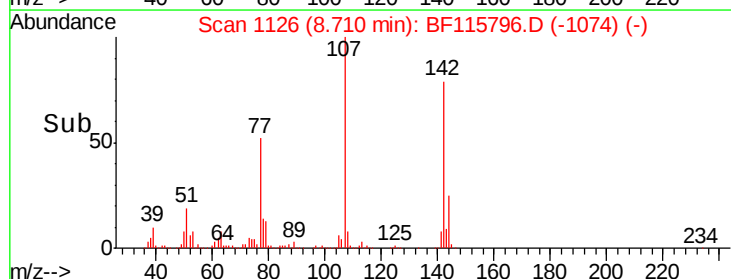
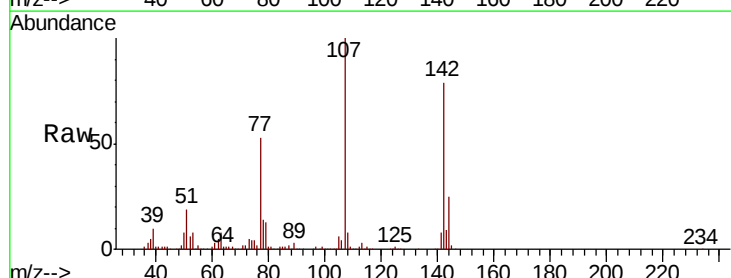
Manual Integrations
APPROVED

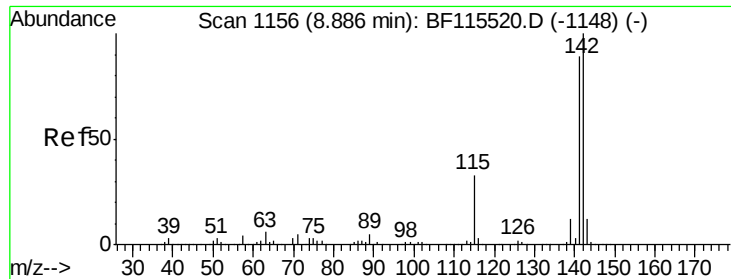
mohammad
7/29/2019 5:29:04 PM



#36
4-Chloro-3-methylphenol
Concen: 49.010 ng
RT: 8.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.1	30.1
142	79.2	62.3	93.5





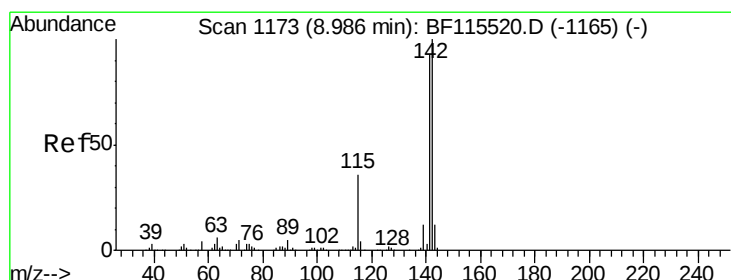
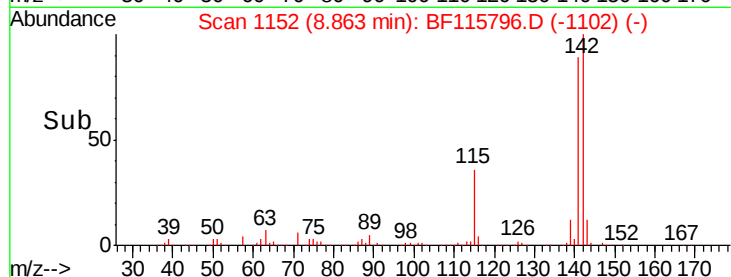
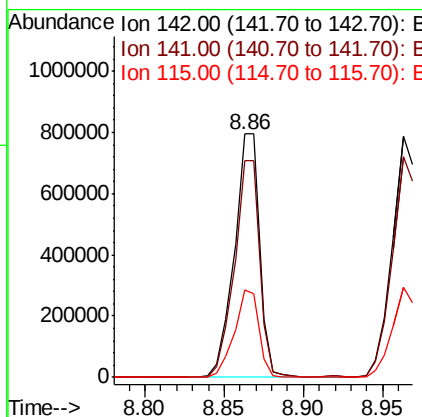
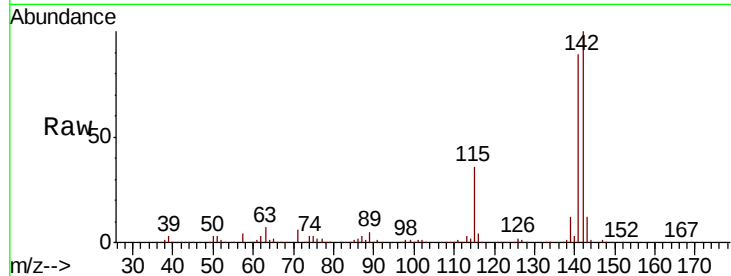
#37
2-Methylnaphthalene
Concen: 49.907 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.4
115	35.8	27.7	41.5

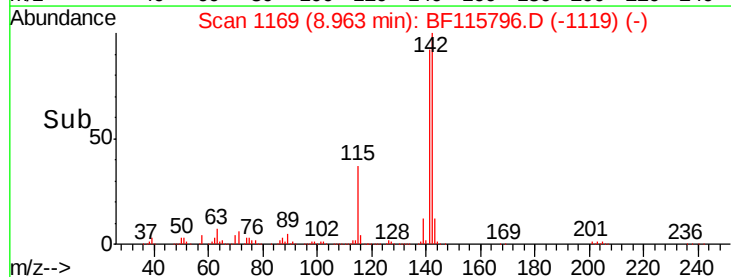
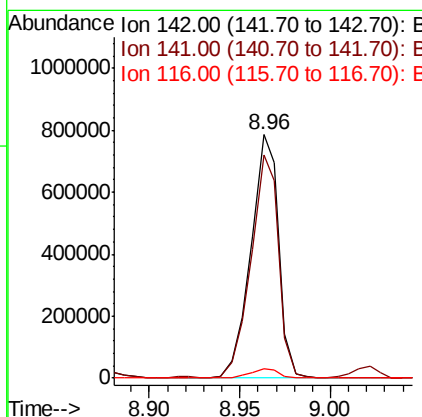
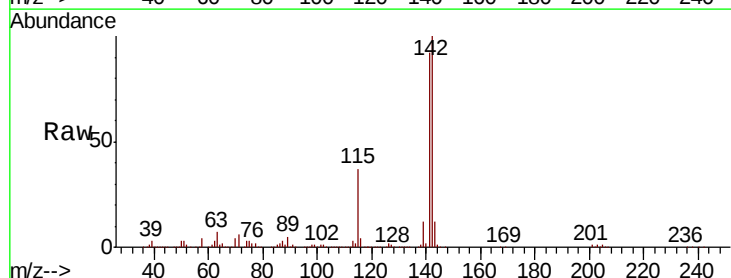
Manual Integrations
APPROVED

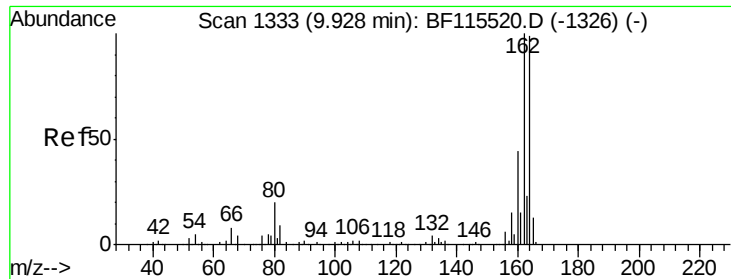
mohammad
7/29/2019 5:29:04 PM



#38
1-Methylnaphthalene
Concen: 49.470 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.9	110.9
116	3.8	3.0	4.6





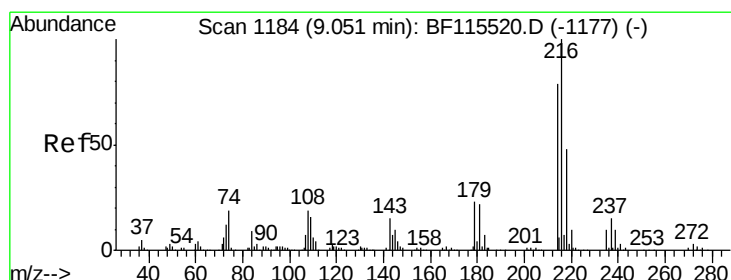
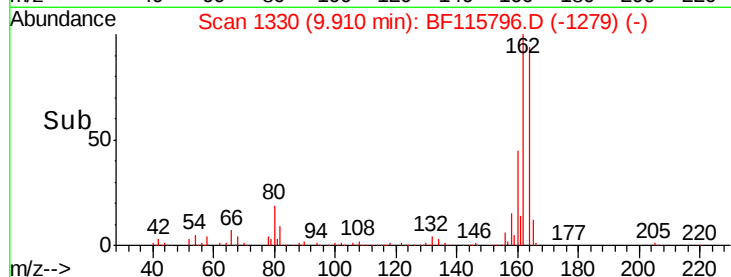
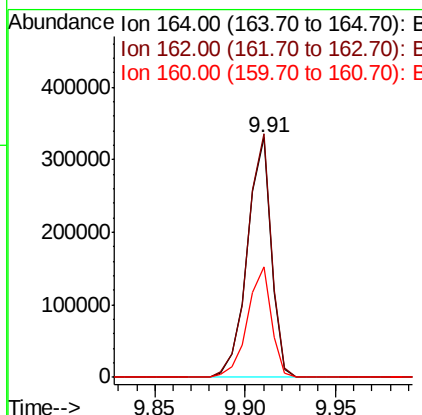
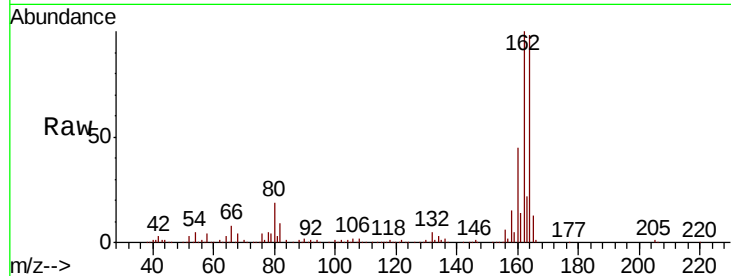
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.6
160	46.0	37.5	56.3

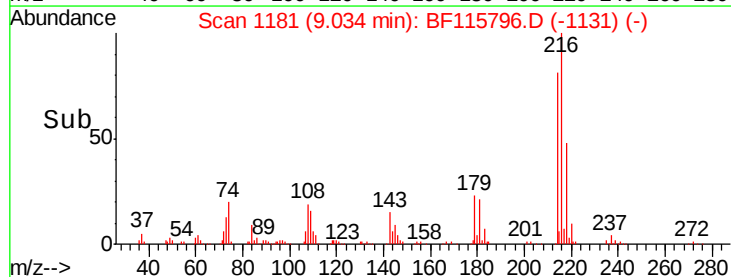
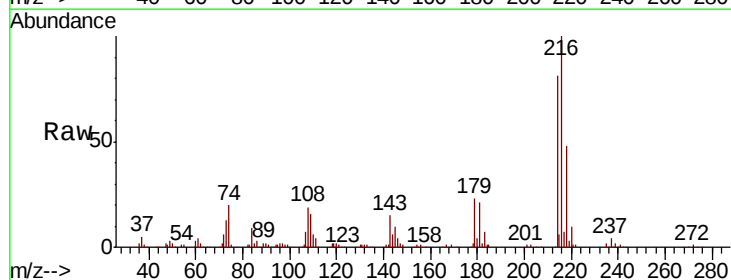
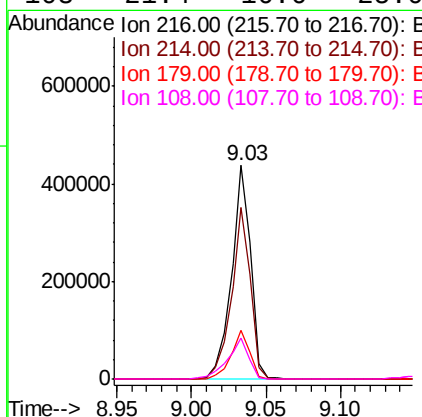
Manual Integrations
 APPROVED

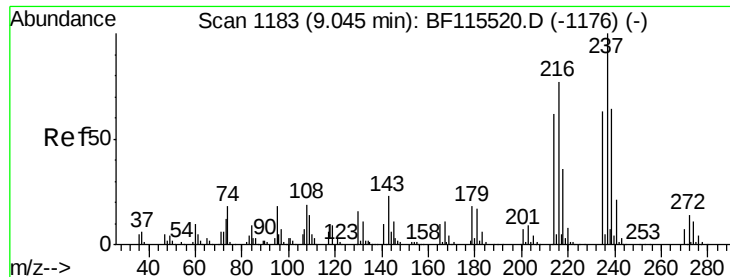
mohammad
 7/29/2019 5:29:04 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.471 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	22.1	17.4	26.2
108	21.4	16.6	25.0





#41

Hexachlorocyclopentadiene

Concen: 52.145 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

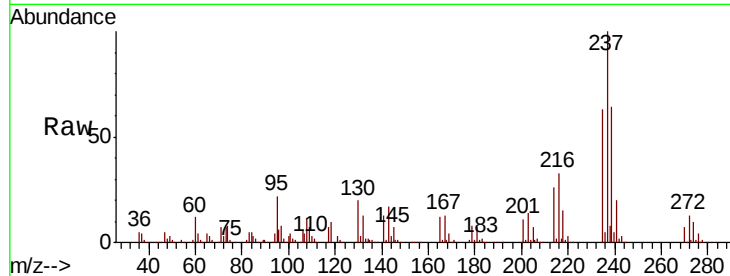
ClientSampleId :

BU-03-072419MSD

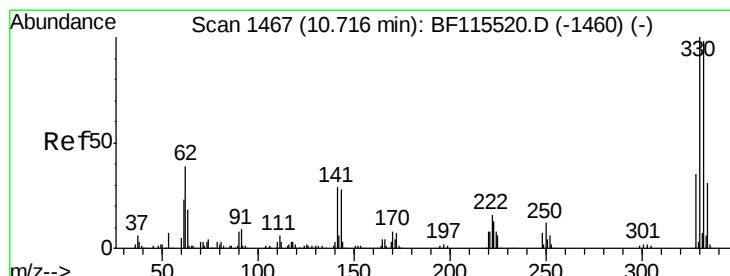
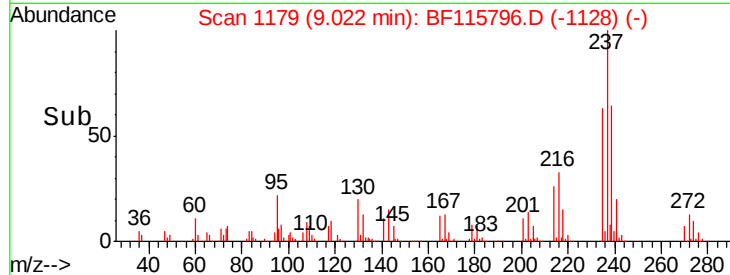
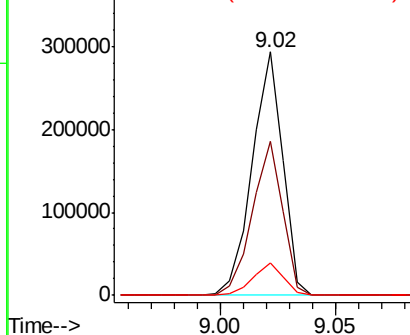
Tot Ion:	237	Resp:	271217
Ion Ratio	Lower	Upper	
237	100		
235	63.4	44.3	84.3
272	13.4	0.0	33.0

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 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: 120.764 ng

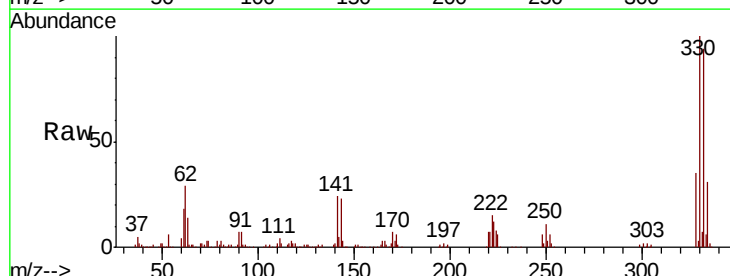
RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

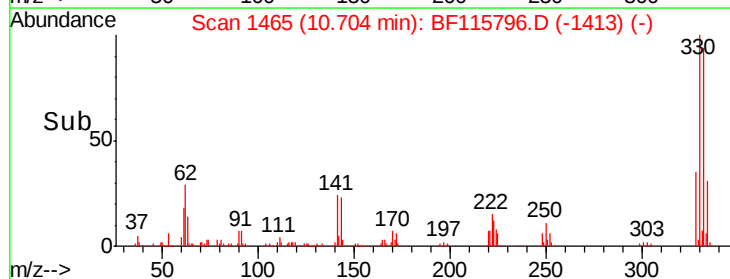
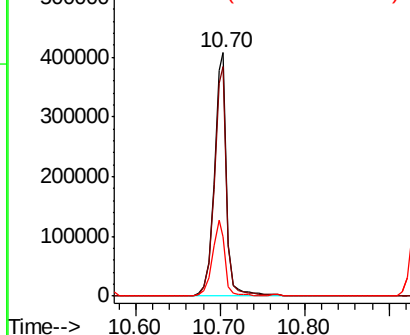
Lab File: BF115796.D

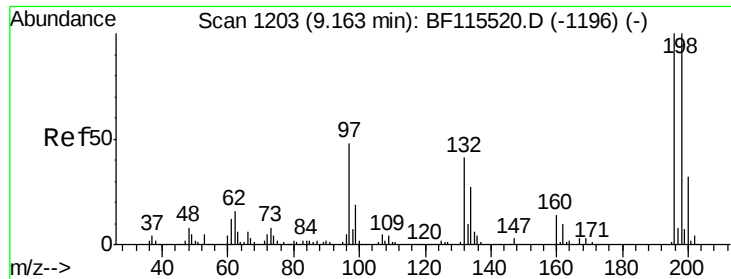
Acq: 26 Jul 2019 19:37

Tgt Ion:	330	Resp:	426809
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.1	114.1
141	32.0	25.9	38.9



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





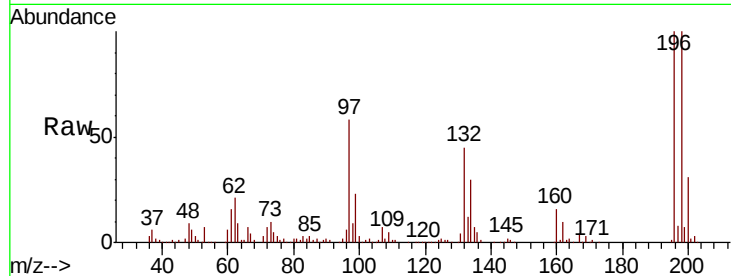
#43
 2,4,6-Trichlorophenol
 Concen: 41.177 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	274564		
198	99.9	79.8	119.6	
200	31.4	25.4	38.0	

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:04 PM

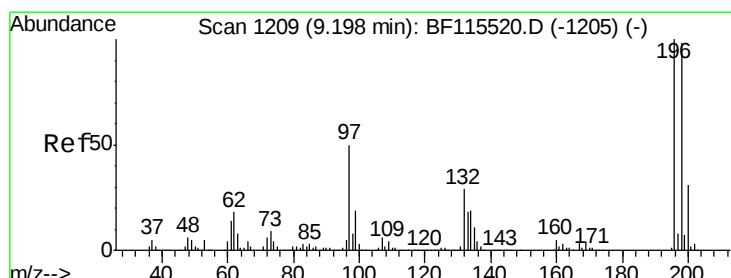
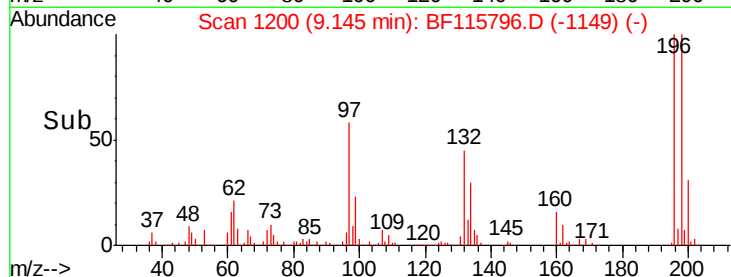
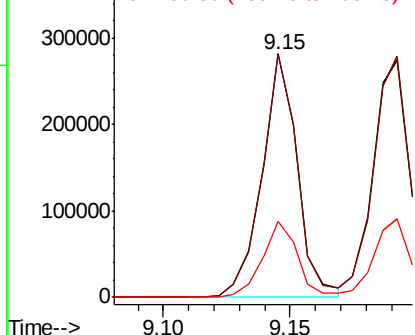


Abundance

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: 43.630 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	297933		
198	101.3	78.2	117.2	
97	46.5	41.9	62.9	
132	27.4	24.1	36.1	

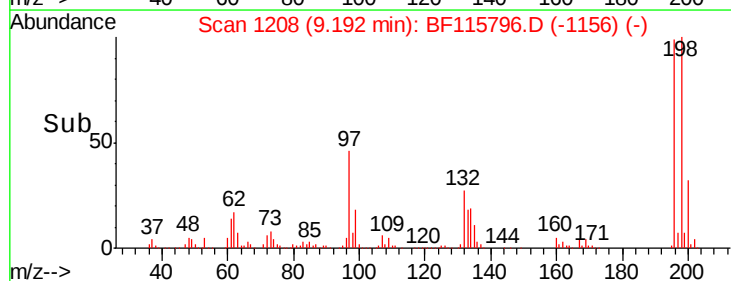
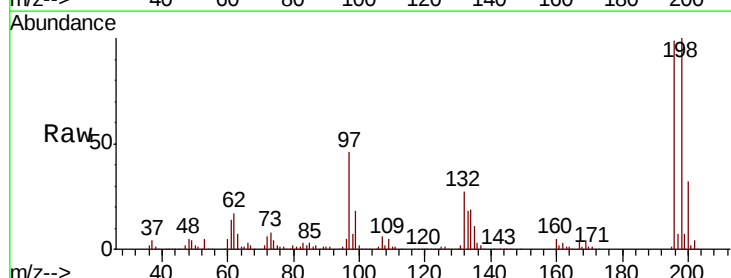
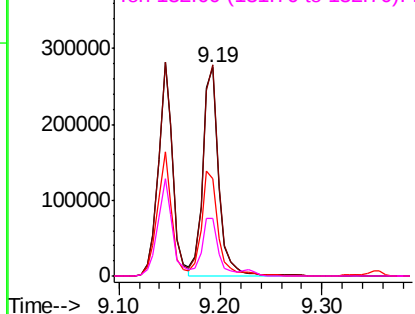
Abundance

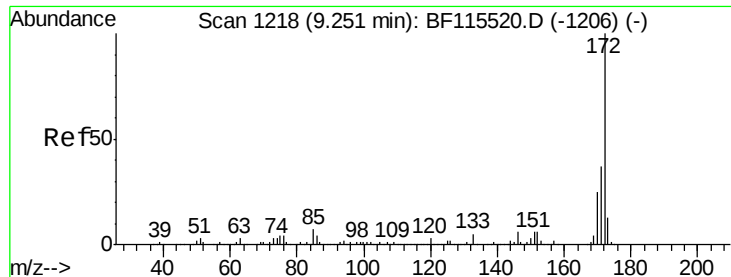
Ion 196.00 (195.70 to 196.70): E

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





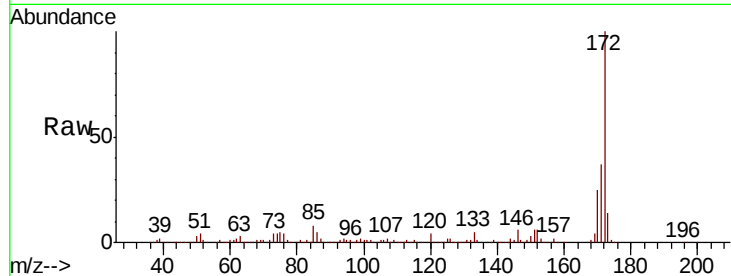
#45
2-Fluorobiphenyl
Concen: 96.674 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

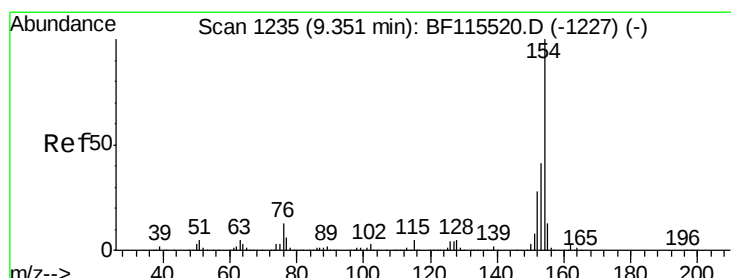
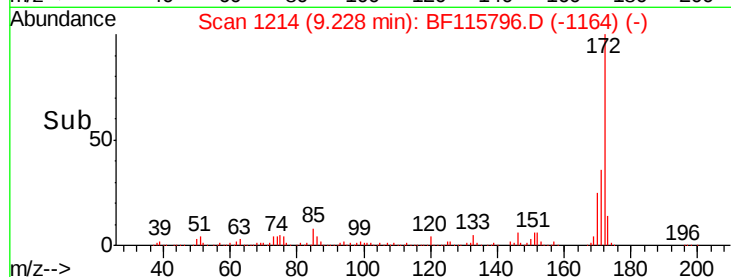
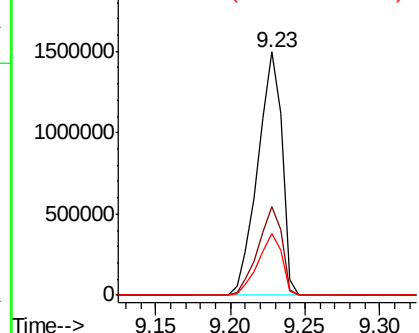
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	25.2	20.1	30.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM

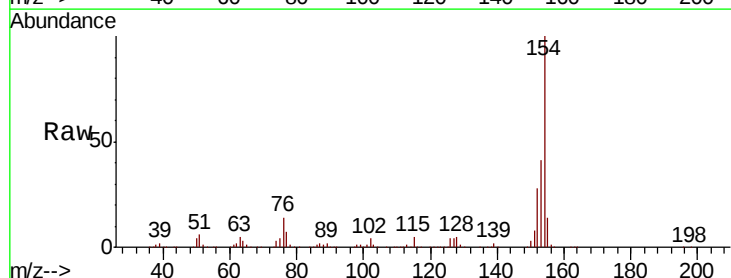


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

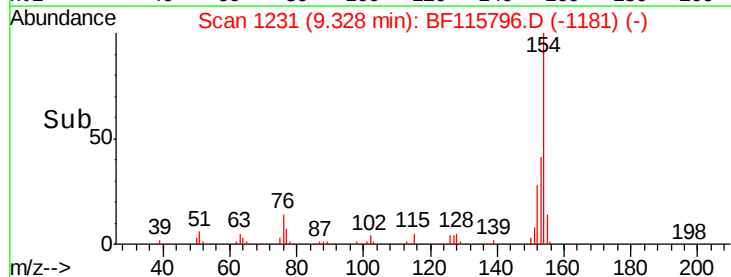
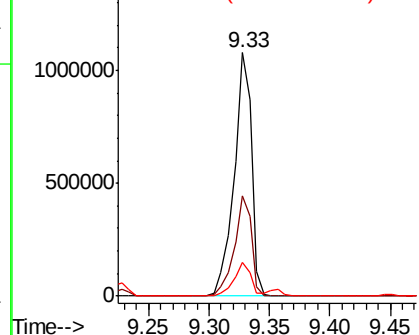


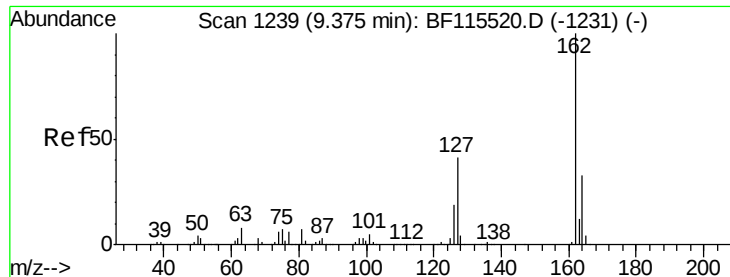
#46
1,1'-Biphenyl
Concen: 45.567 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.4	61.4
76	14.0	0.0	33.2



Abundance Ion 154.00 (153.70 to 154.70): E
1500000 Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





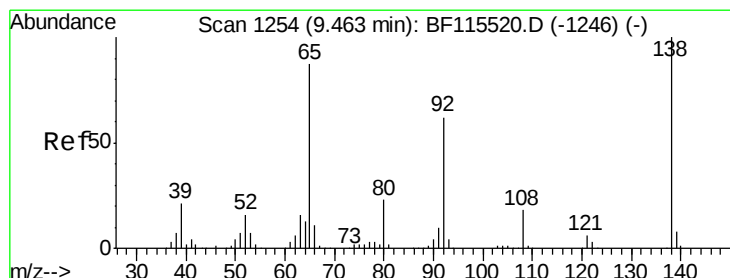
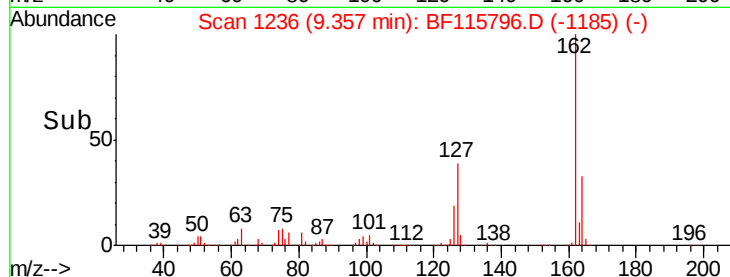
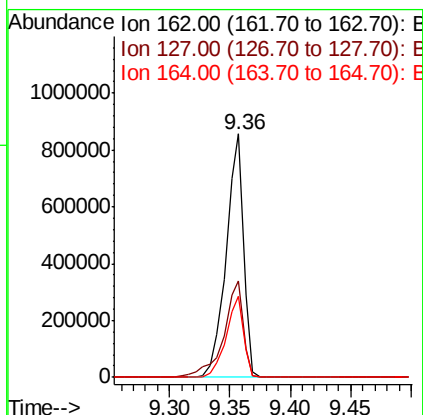
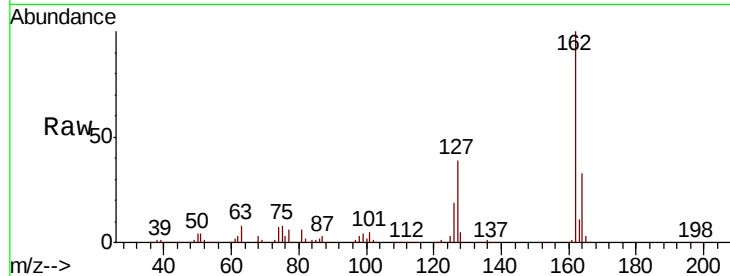
#47
2-Chloronaphthalene
Concen: 43.310 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	39.5	32.1	48.1
164	33.1	26.2	39.4

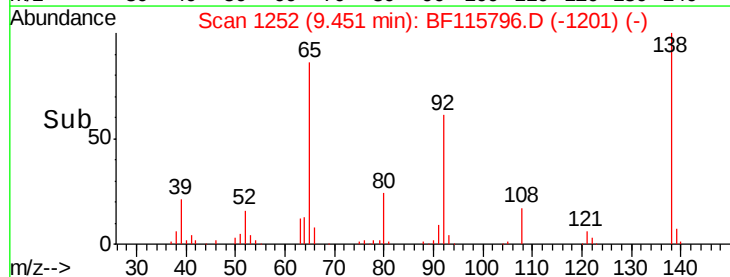
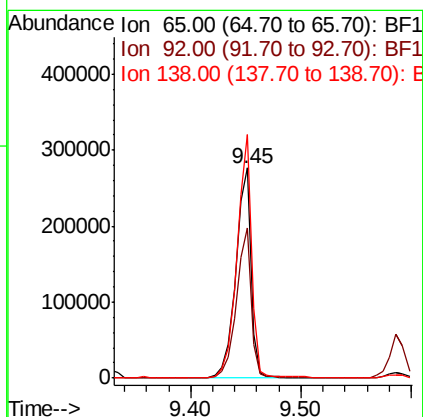
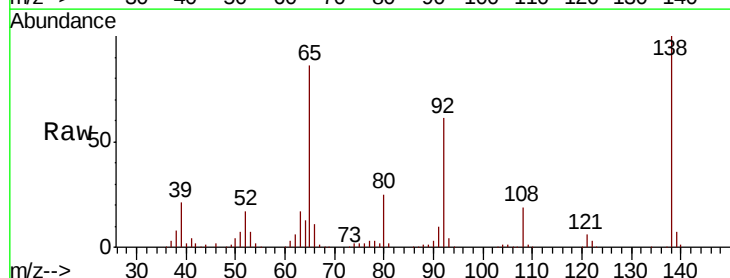
Manual Integrations
APPROVED

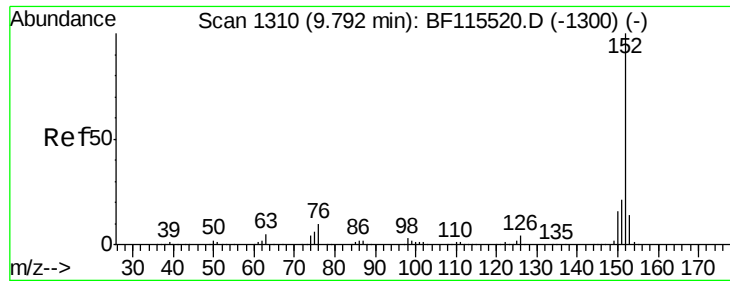
mohammad
7/29/2019 5:29:04 PM



#48
2-Nitroaniline
Concen: 44.310 ng
RT: 9.45 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	71.2	56.9	85.3
138	115.8	91.4	137.2





#49

Acenaphthylene

Concen: 44.532 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

ClientSampleId :

BU-03-072419MSD

Tot Ion:152 Resp: 1300595

Ion Ratio Lower Upper

152 100

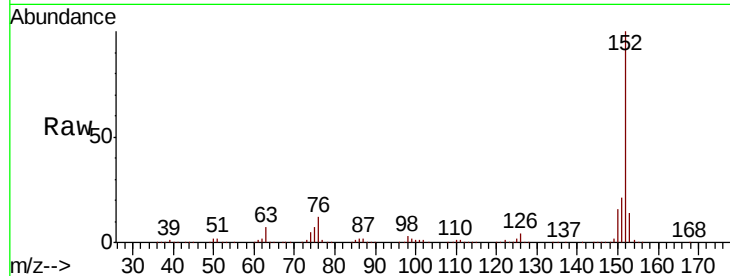
151 21.1 16.9 25.3

153 14.5 11.5 17.3

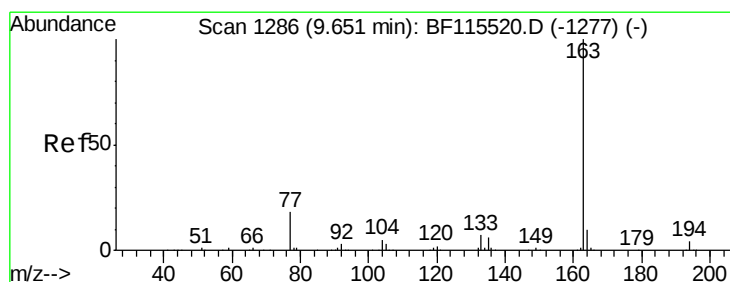
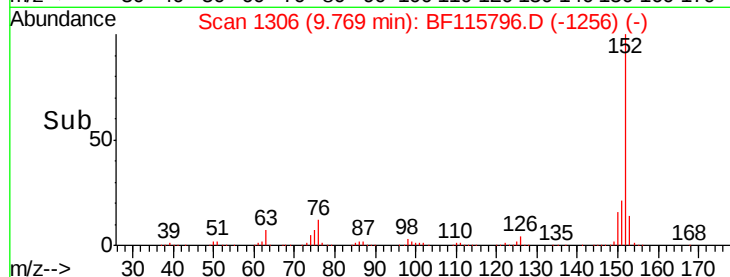
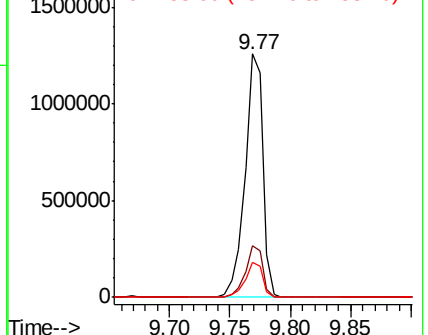
Manual Integrations
APPROVED

mohammad

7/29/2019 5:29:04 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: 45.362 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

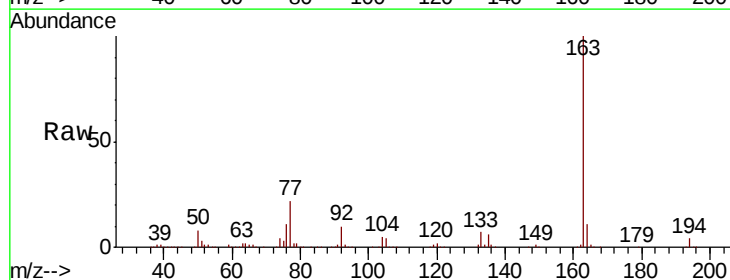
Tgt Ion:163 Resp: 1033377

Ion Ratio Lower Upper

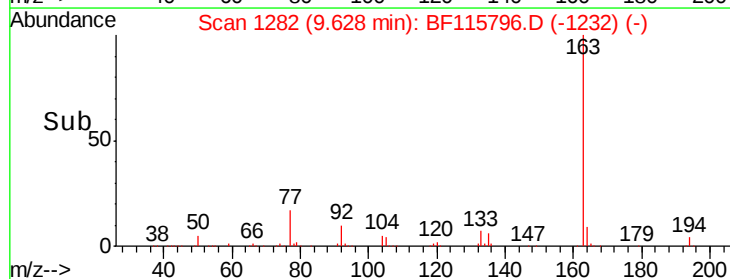
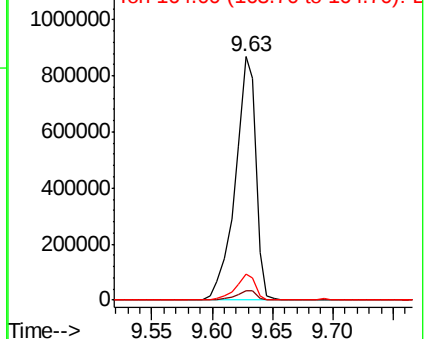
163 100

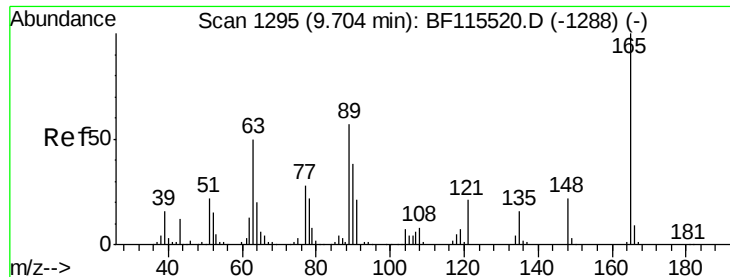
194 3.8 3.2 4.8

164 10.7 8.3 12.5



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: 43.472 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

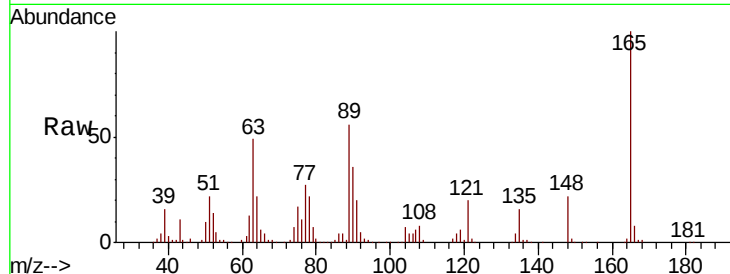
ClientSampleId :

BU-03-072419MSD

Tot Ion:	165	Resp:	225058
Ion Ratio	Lower	Upper	
165	100		
63	49.4	43.5	65.3
89	55.8	46.3	69.5

Manual Integrations
APPROVED

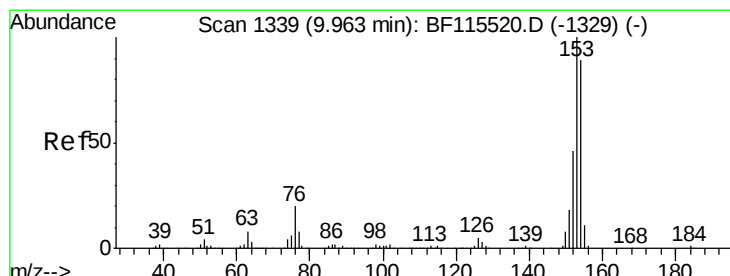
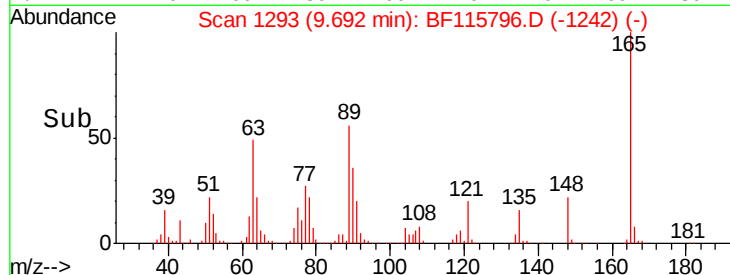
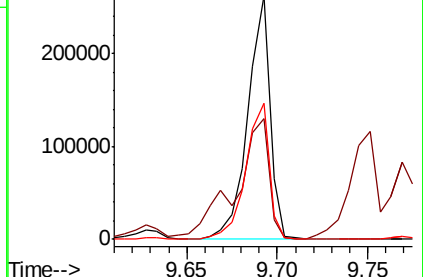
mohammad
7/29/2019 5:29:04 PM



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



#52

Acenaphthene

Concen: 41.985 ng

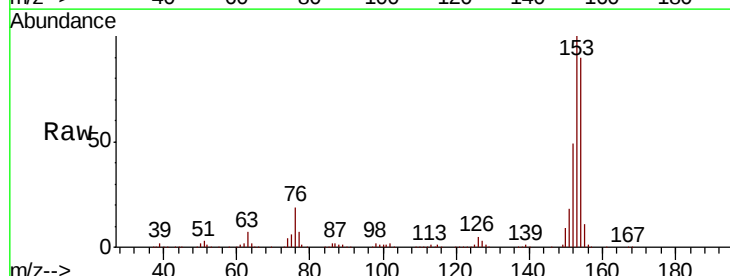
RT: 9.95 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

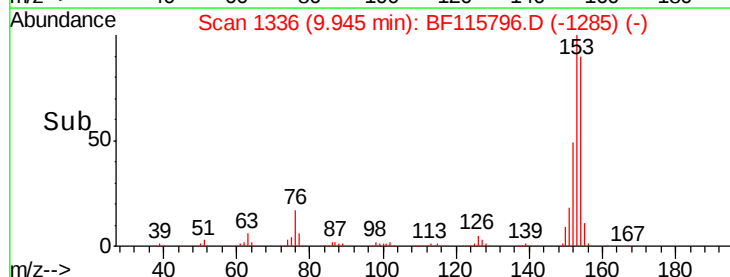
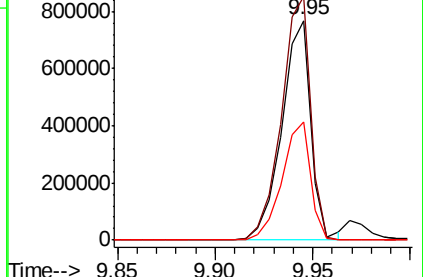
Tgt Ion:	154	Resp:	791656
Ion Ratio	Lower	Upper	
154	100		
153	110.9	88.1	132.1
152	53.9	42.0	63.0

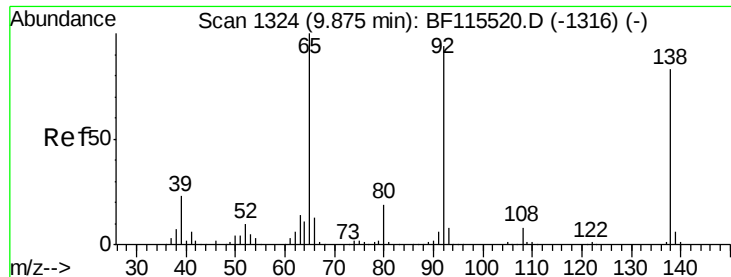


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





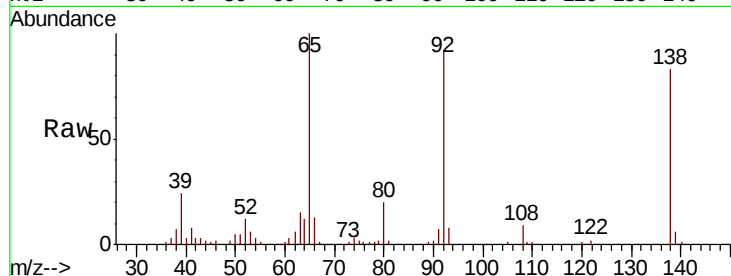
#53
3-Nitroaniline
Concen: 6.453 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	7.9	11.9
92	110.2	87.2	130.8

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM

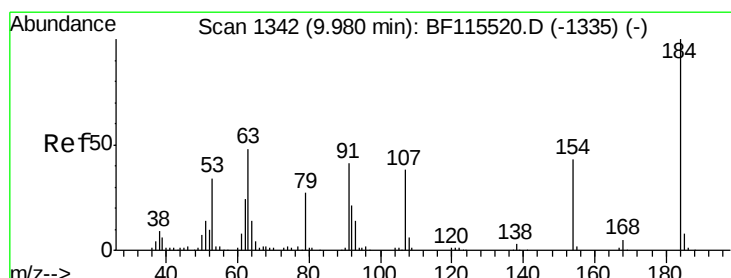
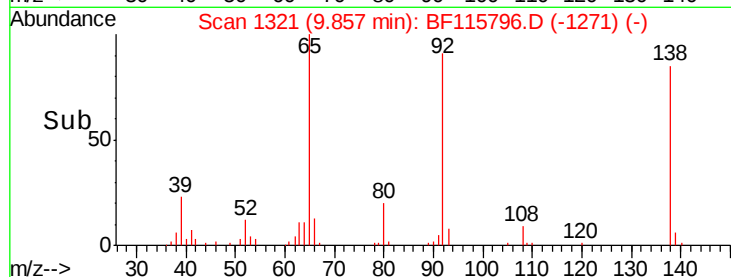
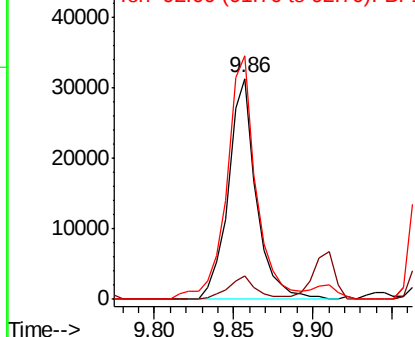


Abundance

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: 41.192 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

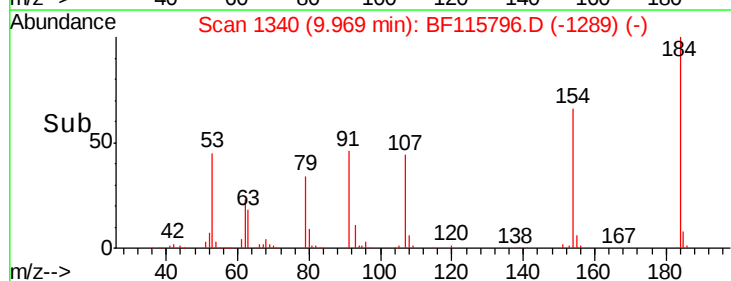
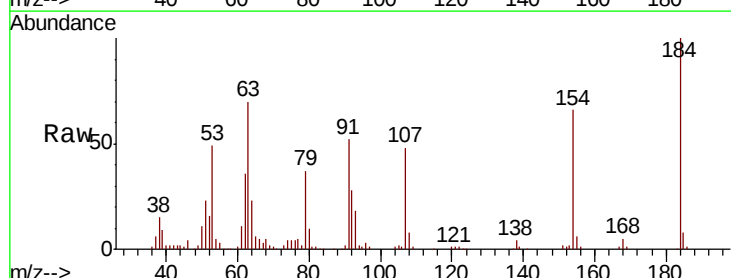
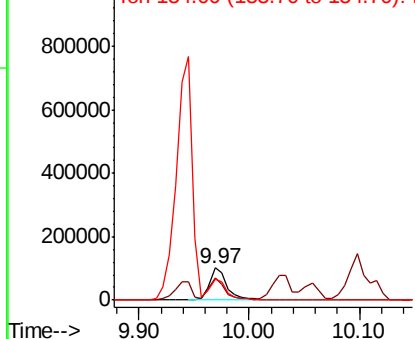
Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.1	55.2	82.8
154	66.4	51.4	77.0

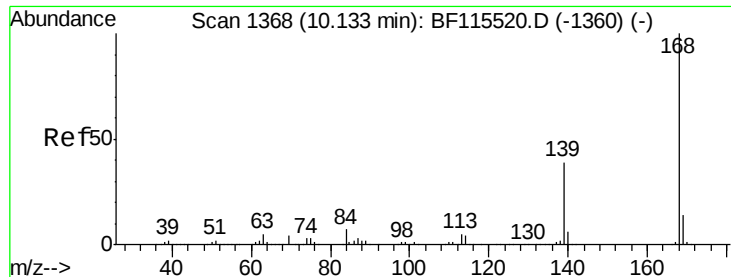
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





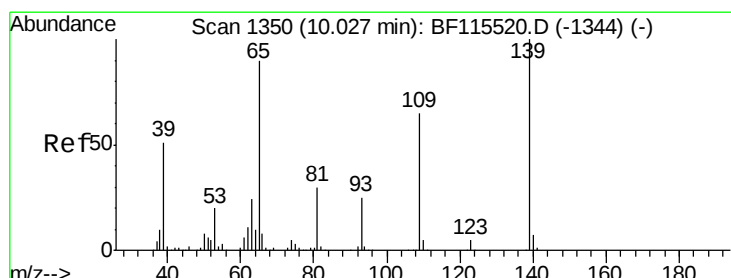
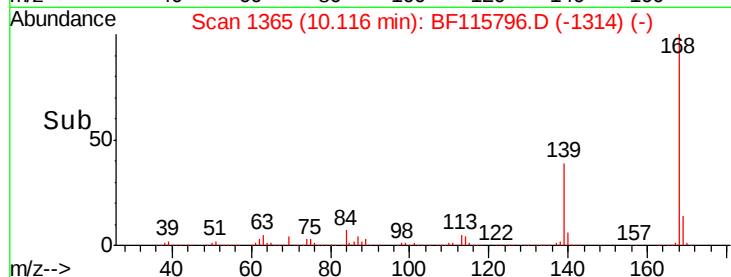
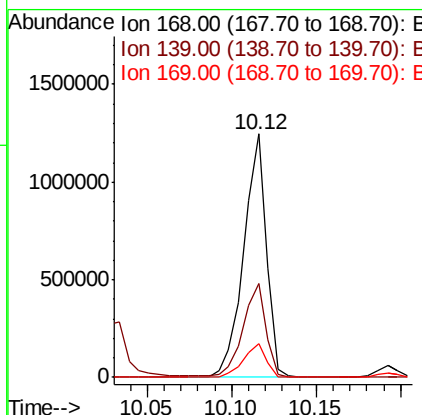
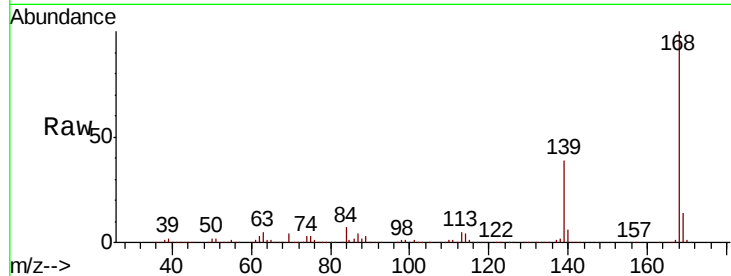
#55
Dibenzenofuran
Concen: 43.811 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion:168 Resp: 1173150
Ion Ratio Lower Upper
168 100
139 38.8 31.4 47.2
169 13.9 11.3 16.9

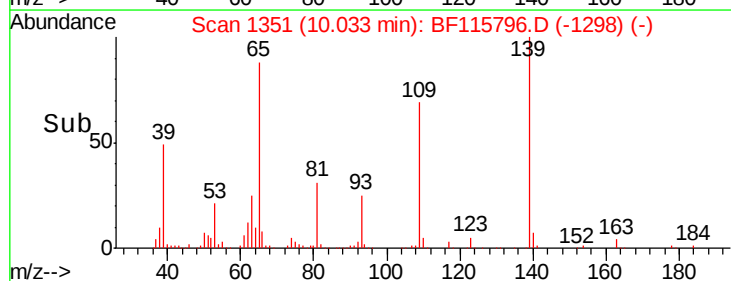
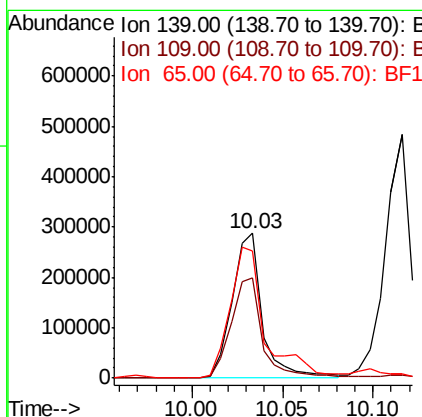
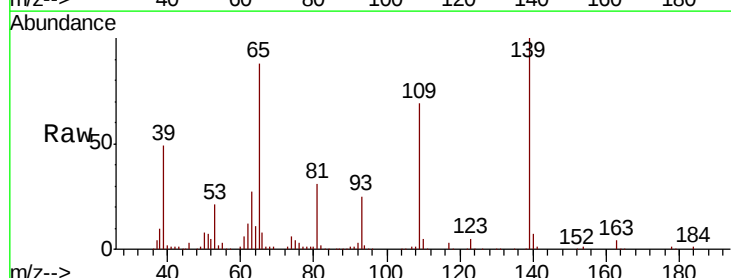
Manual Integrations
APPROVED

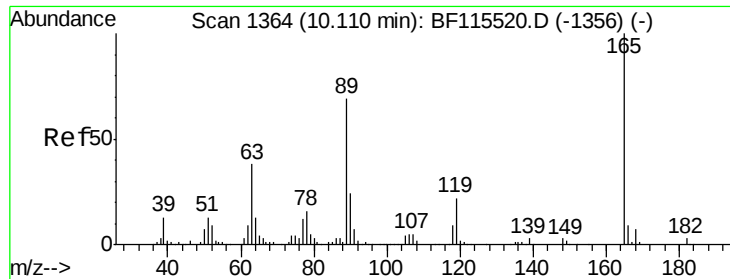
mohammad
7/29/2019 5:29:04 PM



#56
4-Nitrophenol
Concen: 73.963 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion:139 Resp: 333675
Ion Ratio Lower Upper
139 100
109 69.5 51.2 91.2
65 87.8 76.0 116.0





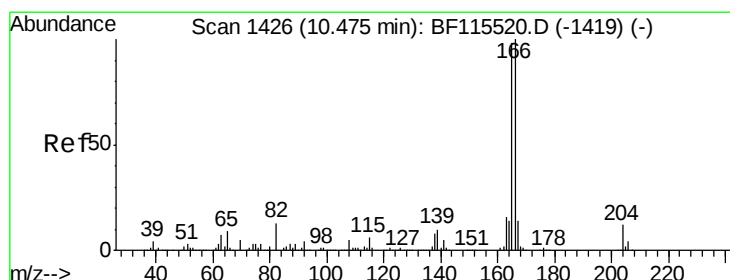
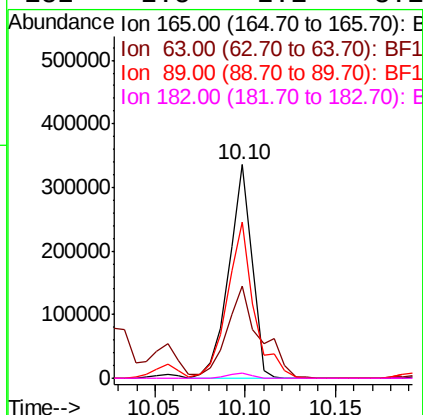
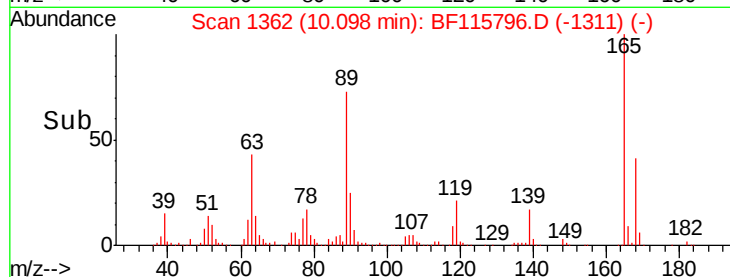
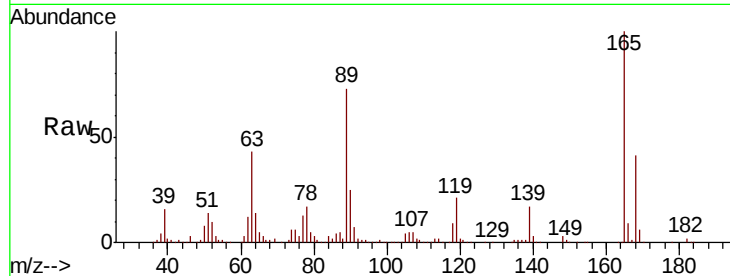
#57
2,4-Dinitrotoluene
Concen: 44.688 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	299731		
63	43.3	33.4	50.2	
89	73.4	57.3	85.9	
182	2.5	2.1	3.1	

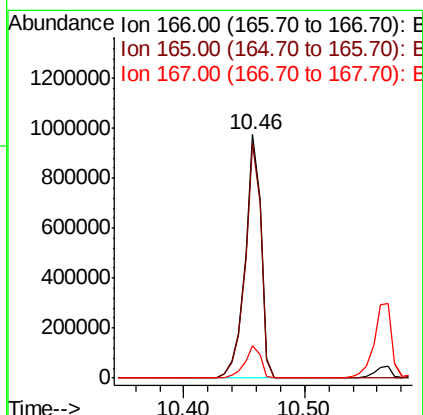
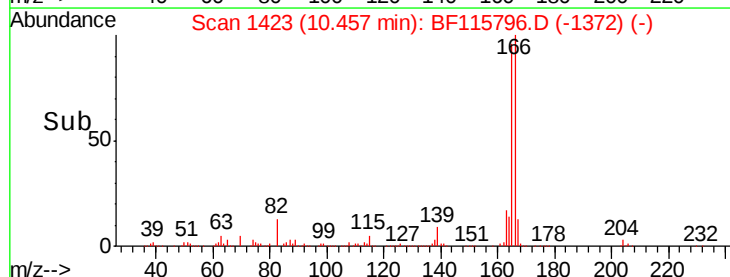
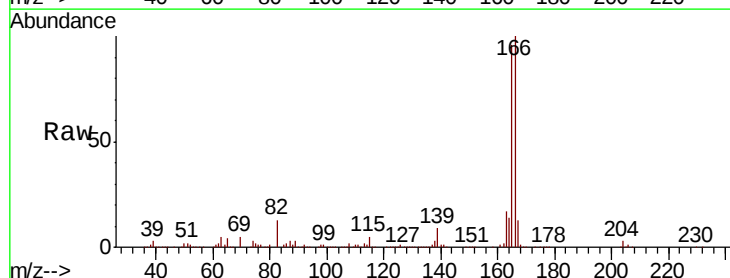
Manual Integrations
APPROVED

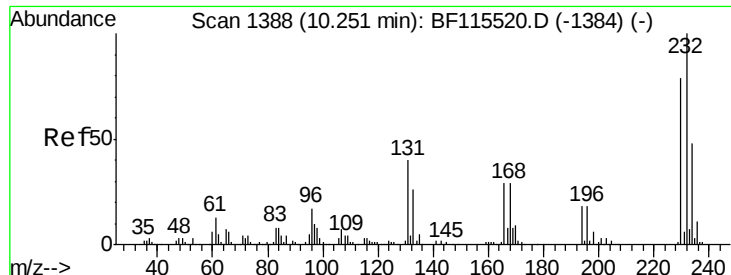
mohammad
7/29/2019 5:29:04 PM



#58
Fluorene
Concen: 46.651 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	893016		
165	96.2	79.0	118.4	
167	13.4	11.0	16.6	





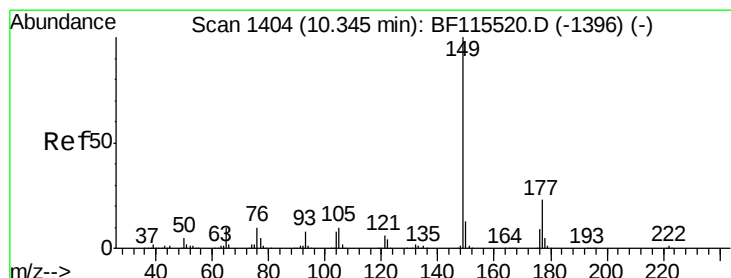
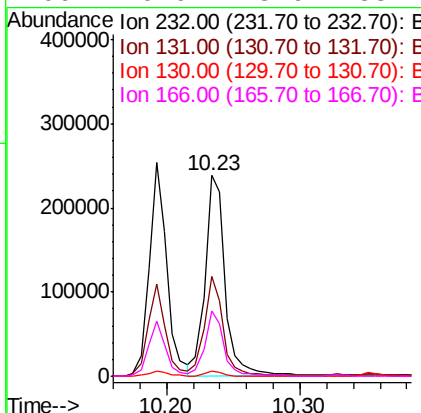
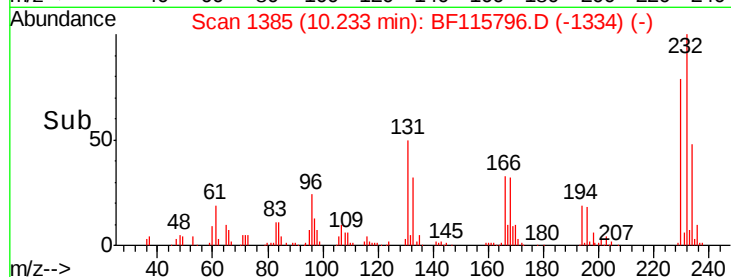
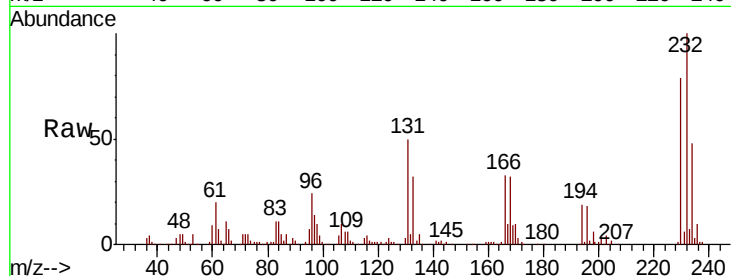
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.407 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	247781		
131	46.1	35.8	53.8	
130	2.4	1.8	2.6	
166	29.9	23.6	35.4	

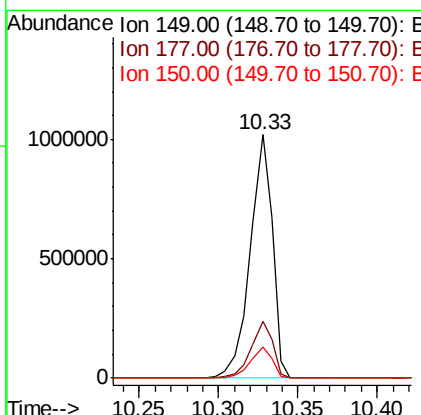
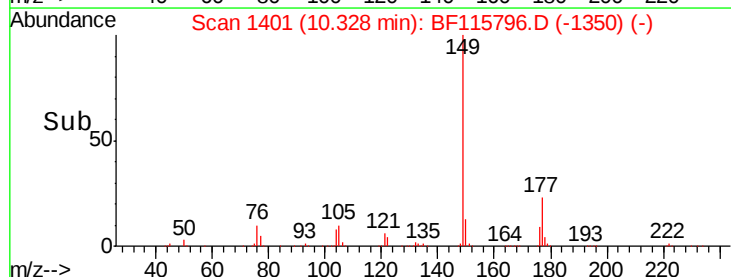
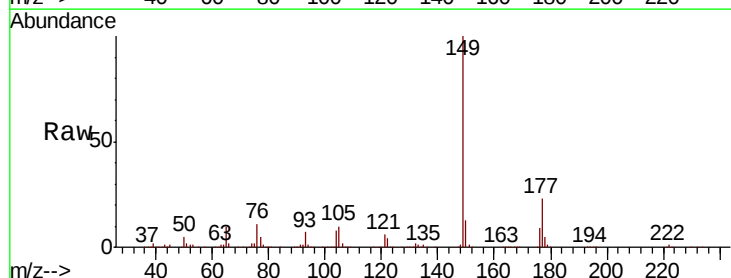
Manual Integrations
APPROVED

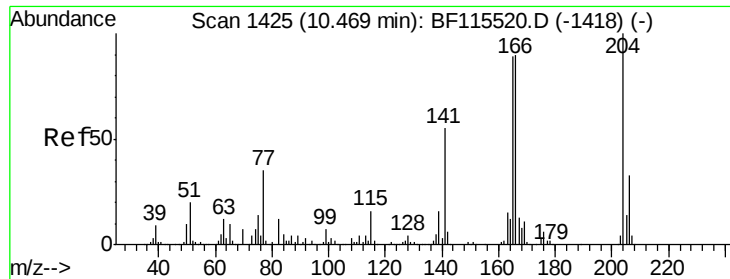
mohammad
7/29/2019 5:29:04 PM



#60
Diethylphthalate
Concen: 46.371 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	989776		
177	23.4	19.0	28.4	
150	12.7	10.5	15.7	





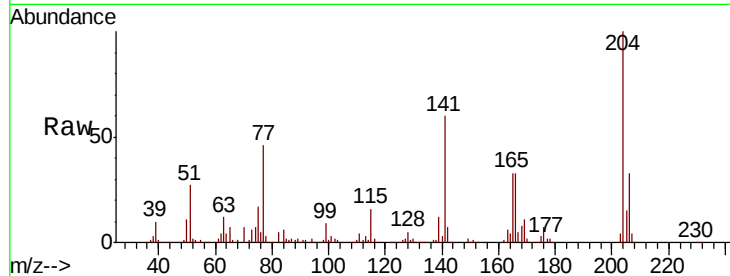
#61
 4-Chlorophenyl-phenylether
 Concen: 42.381 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

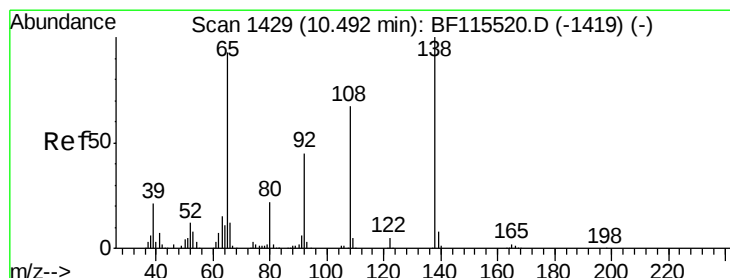
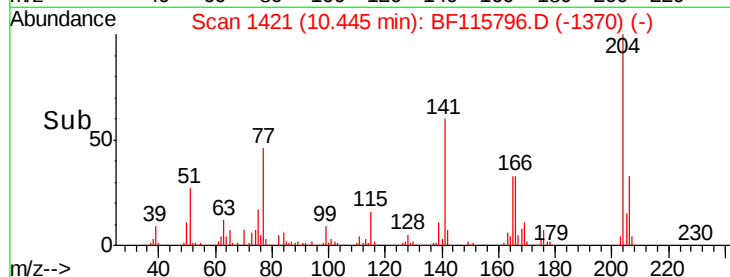
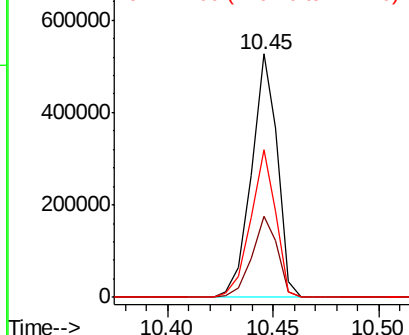
Tot Ion:	204	Resp:	449903
Ion Ratio	Lower	Upper	
204	100		
206	33.2	26.2	39.2
141	60.4	47.3	70.9

Manual Integrations
 APPROVED

mohammad
 7/29/2019 5:29:04 PM

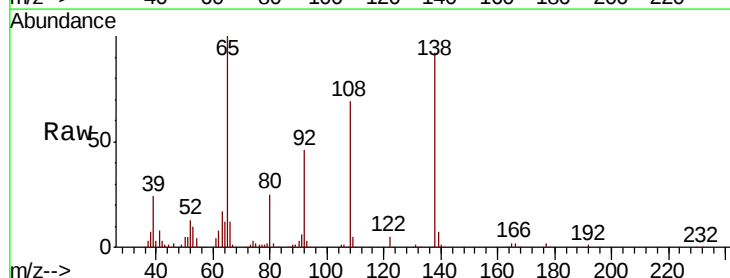


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

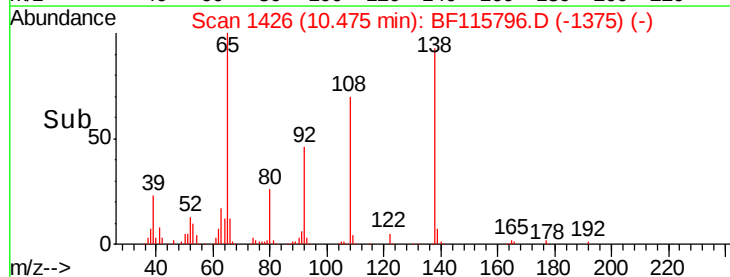
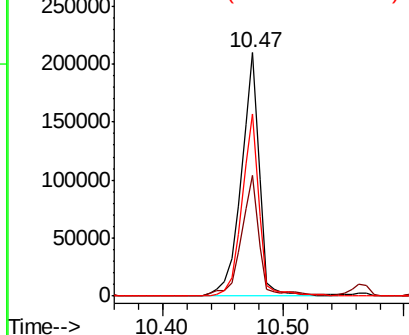


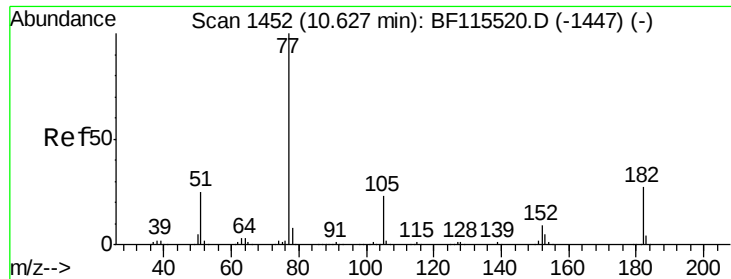
#62
 4-Nitroaniline
 Concen: 38.767 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion:	138	Resp:	219996
Ion Ratio	Lower	Upper	
138	100		
92	49.4	30.3	70.3
108	74.7	55.0	95.0



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





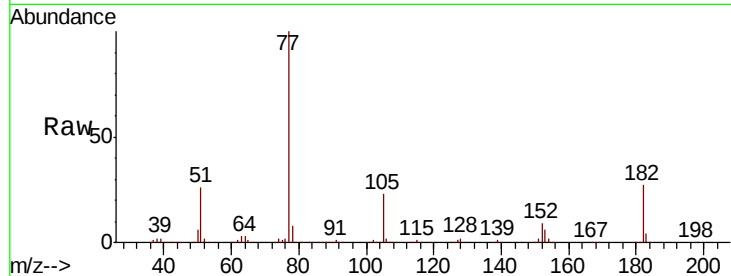
#63
Azobenzene
Concen: 48.446 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.9	46.9
105	23.1	3.1	43.1
51	25.8	6.7	46.7

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



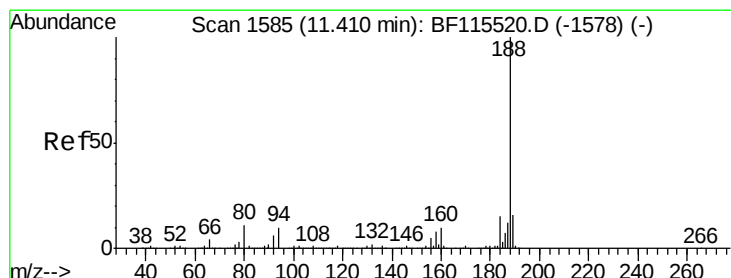
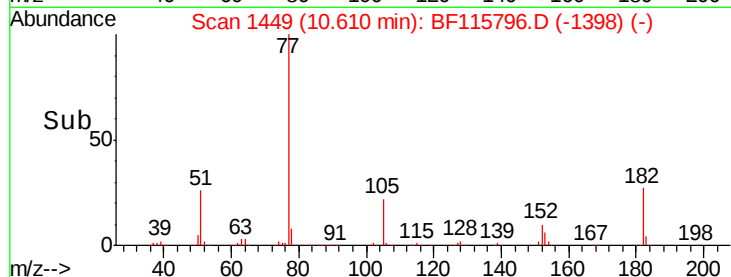
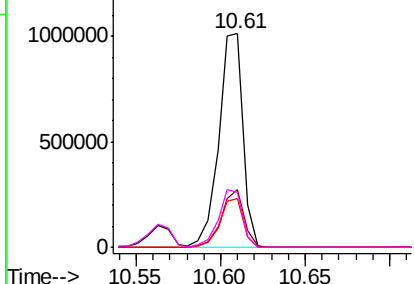
Abundance

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: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

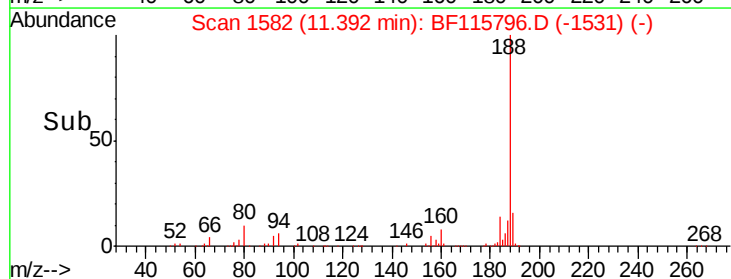
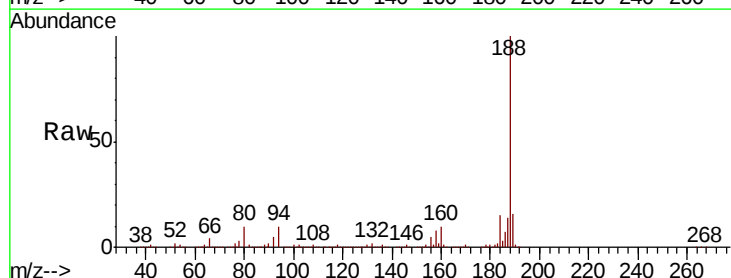
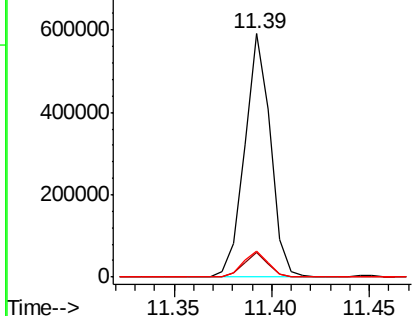
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.4	9.0	13.6

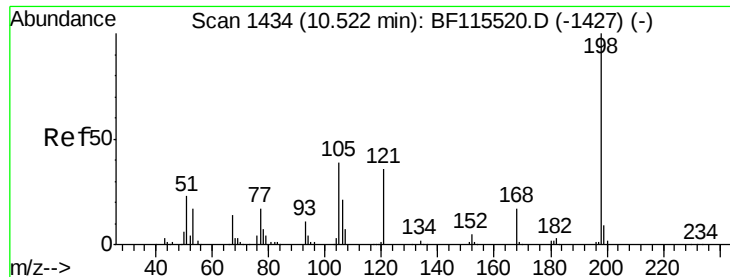
Abundance

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: 30.984 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

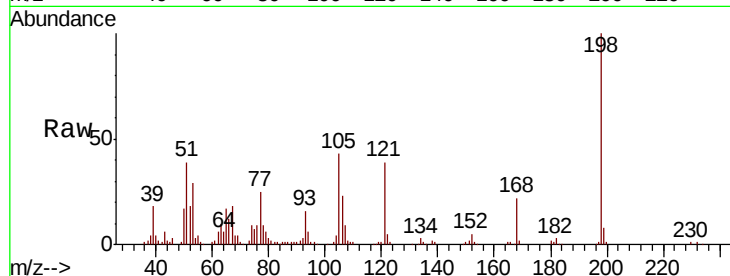
ClientSampleId :

BU-03-072419MSD

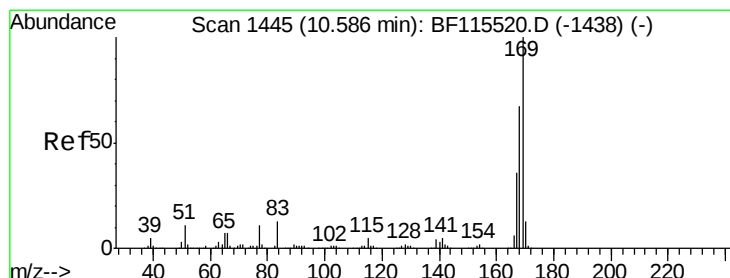
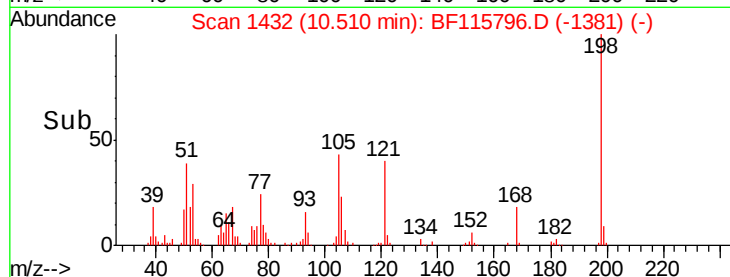
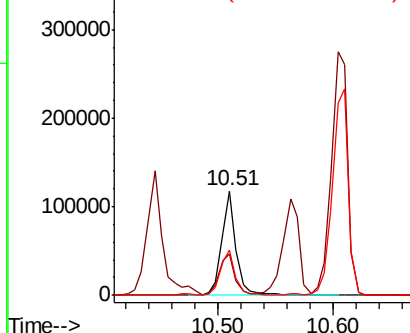
Tot Ion:	198	Resp:	102327
Ion Ratio	Lower	Upper	
198	100		
51	39.4	20.3	60.3
105	43.0	24.7	64.7

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 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: 48.471 ng

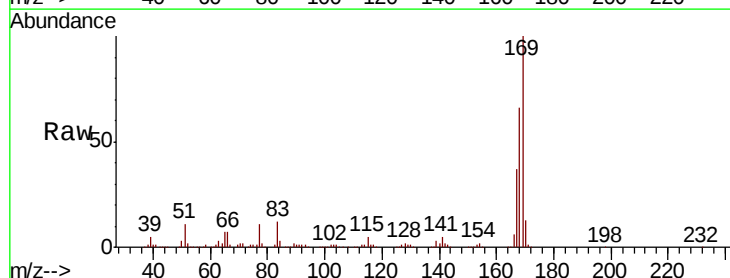
RT: 10.57 min Scan# 1442

Delta R.T. 0.00 min

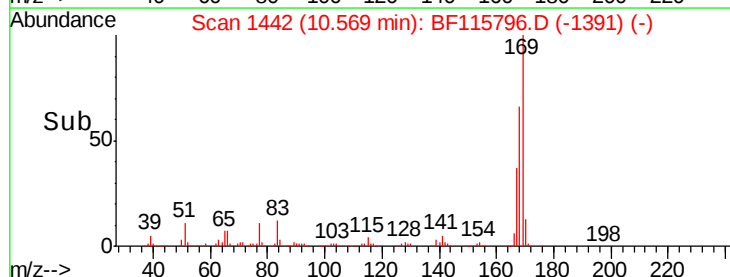
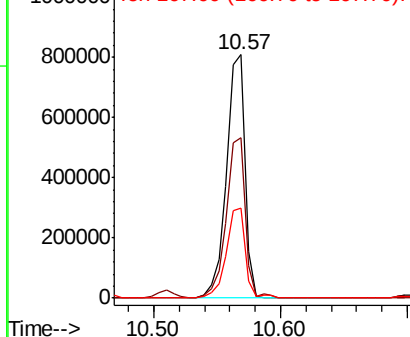
Lab File: BF115796.D

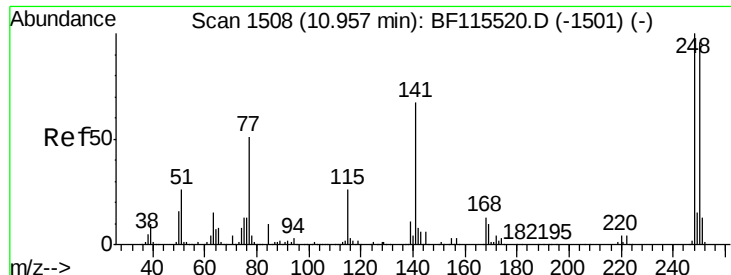
Acq: 26 Jul 2019 19:37

Tgt Ion:	169	Resp:	815030
Ion Ratio	Lower	Upper	
169	100		
168	66.1	53.4	80.0
167	36.8	29.1	43.7



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





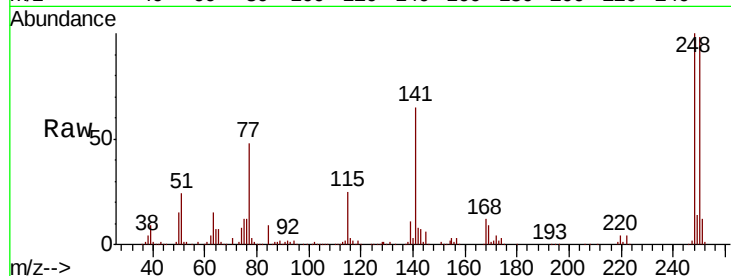
#67
4-Bromophenyl-phenylether
Concen: 46.238 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.0	115.4
141	65.2	52.1	78.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM

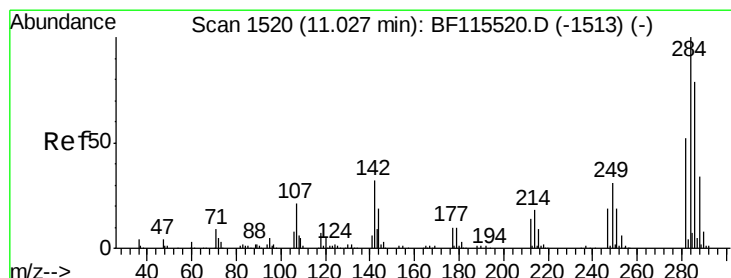
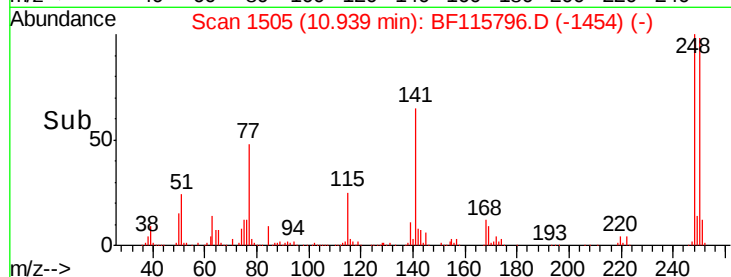
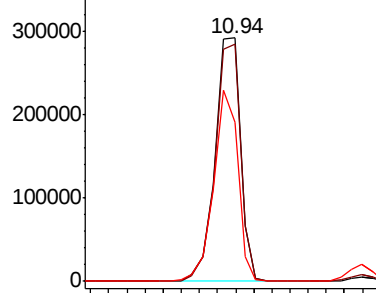


Abundance

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: 44.895 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

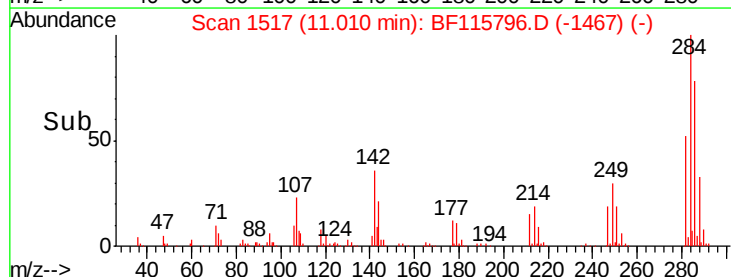
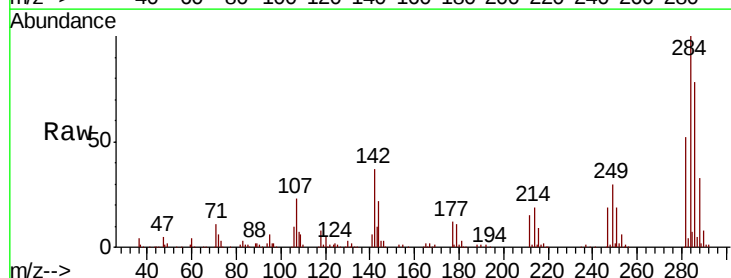
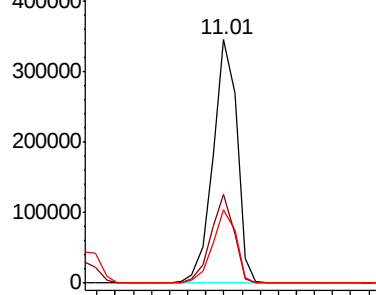
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.6	21.8	32.8#
249	30.3	23.1	34.7

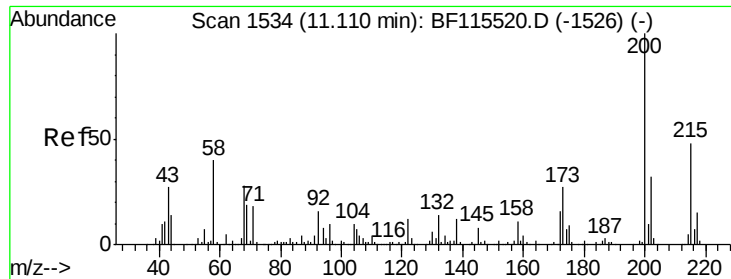
Abundance

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





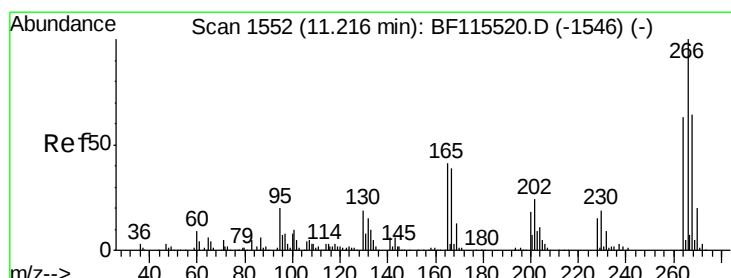
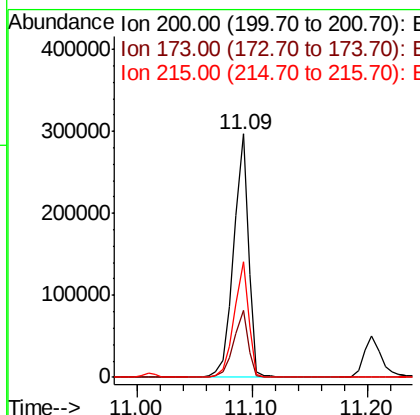
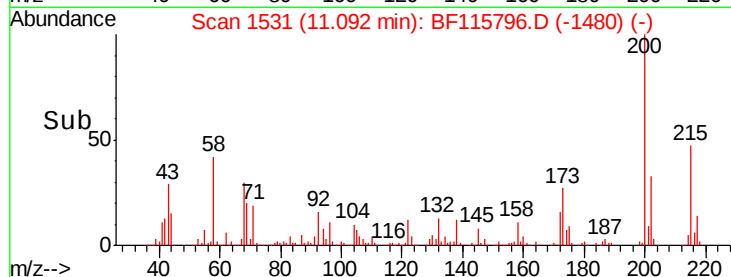
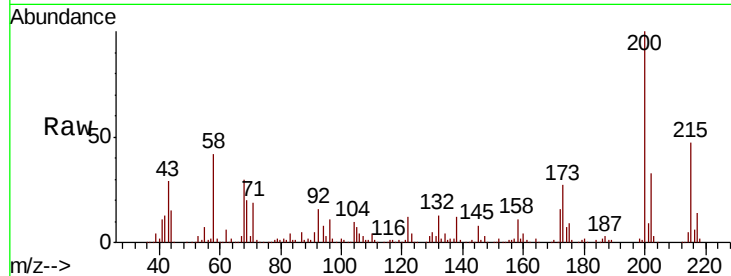
#69
Atrazine
Concen: 48.144 ng
RT: 11.09 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.3	6.9	46.9
215	47.3	26.6	66.6

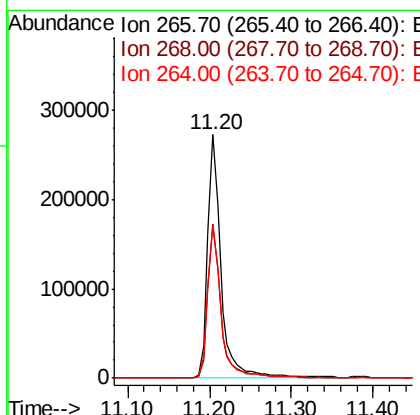
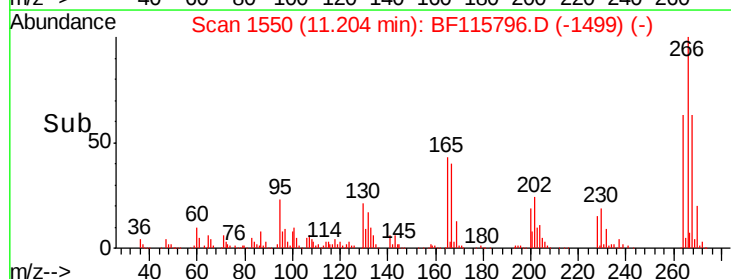
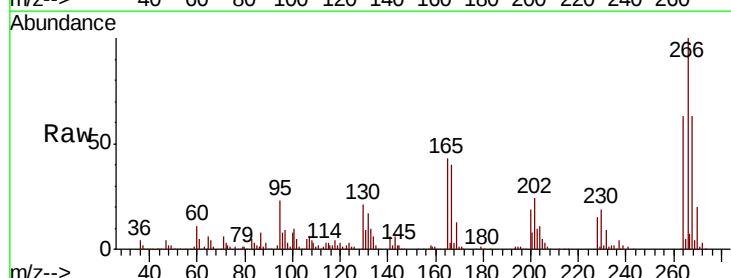
Manual Integrations
APPROVED

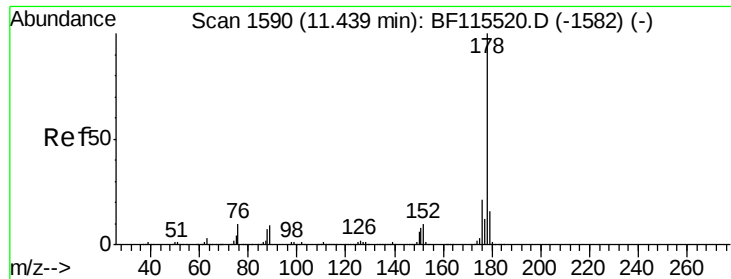
mohammad
7/29/2019 5:29:04 PM



#70
Pentachlorophenol
Concen: 72.836 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.2	51.2	76.8
264	62.7	50.0	75.0





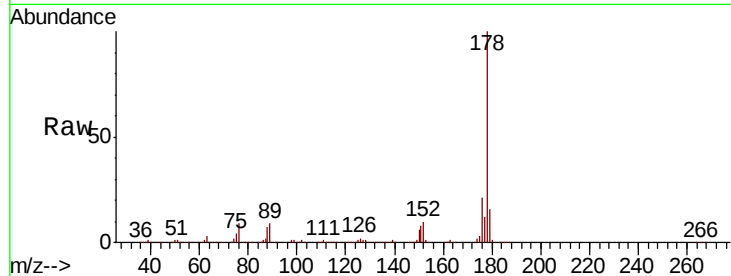
#71
Phenanthrene
Concen: 47.995 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

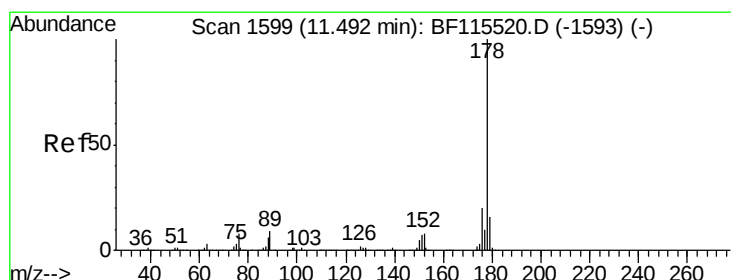
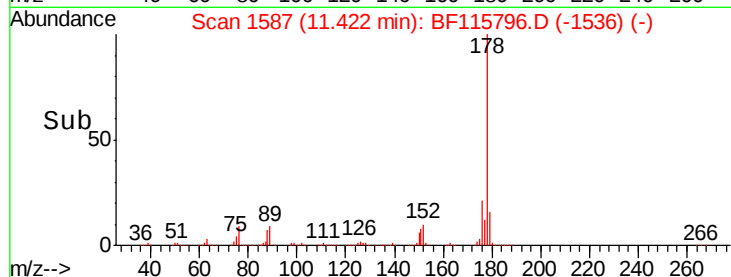
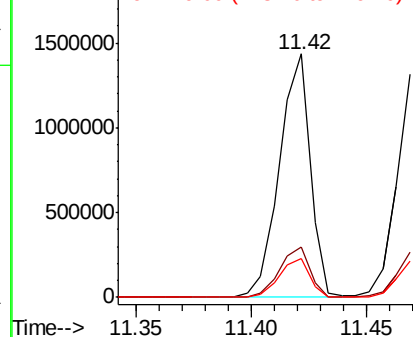
Tot Ion:178 Resp: 1329877
Ion Ratio Lower Upper
178 100
176 20.7 16.4 24.6
179 15.9 12.7 19.1

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



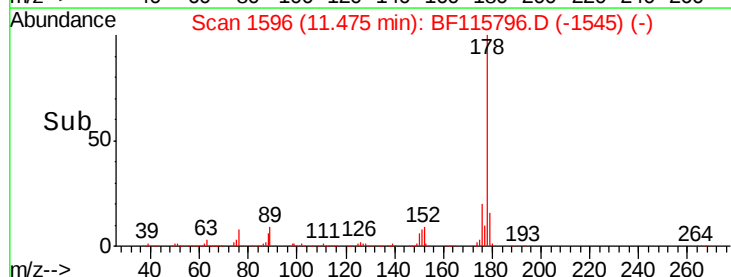
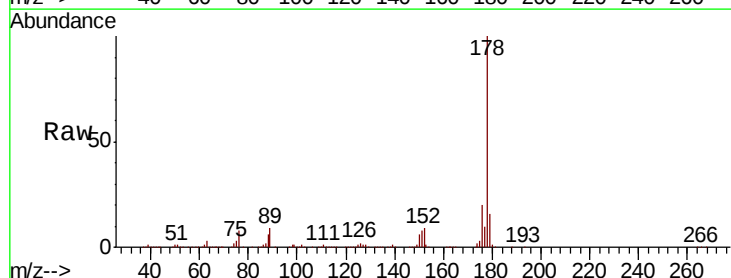
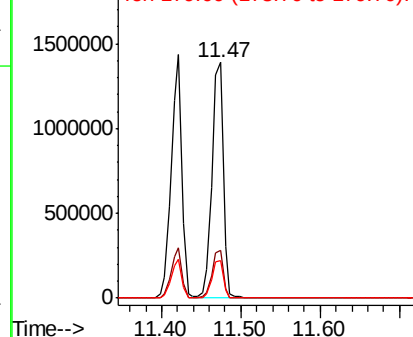
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

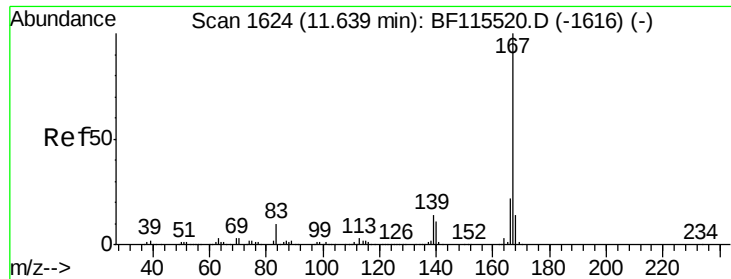


#72
Anthracene
Concen: 48.617 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion:178 Resp: 1392183
Ion Ratio Lower Upper
178 100
176 20.1 16.1 24.1
179 15.9 12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





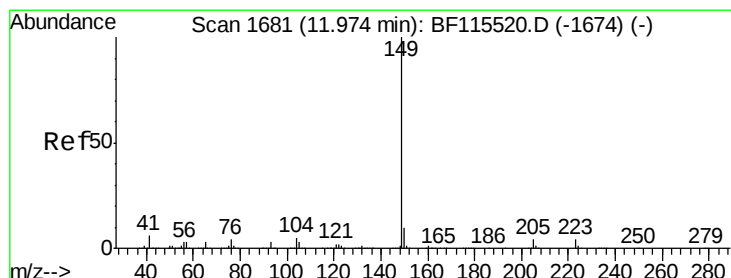
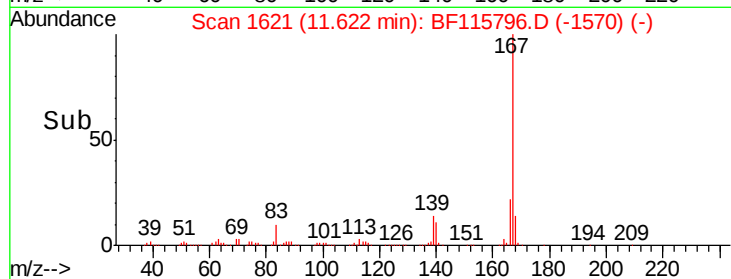
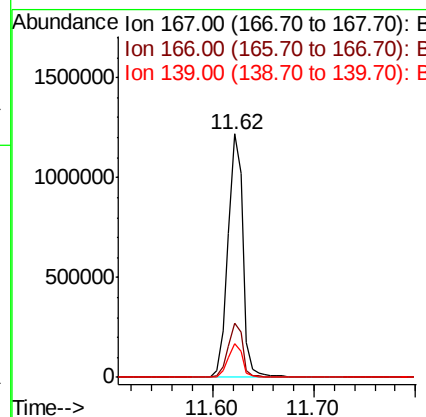
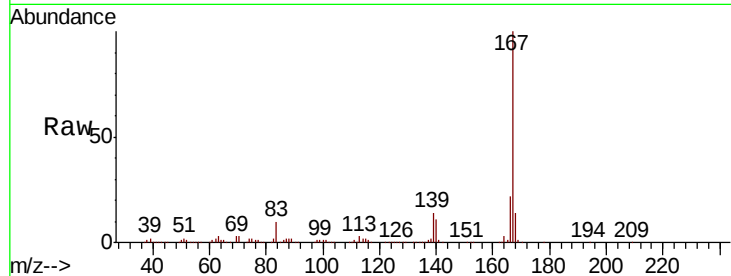
#73
 Carbazole
 Concen: 49.721 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	14.1	11.1	16.7

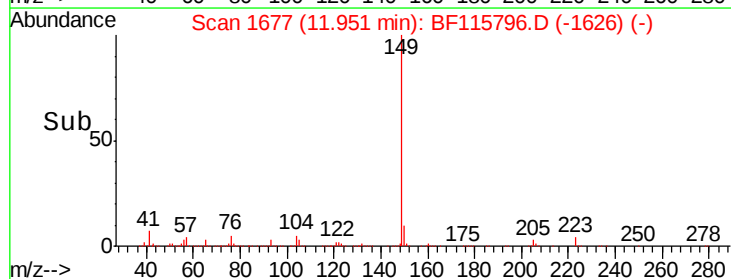
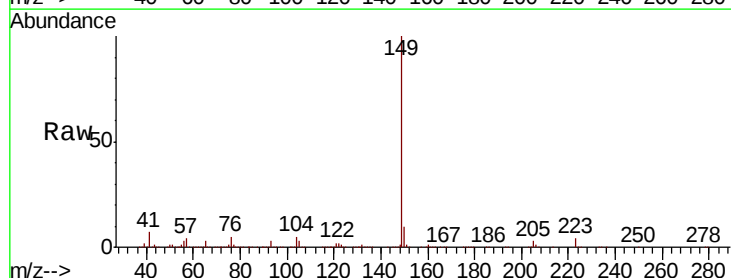
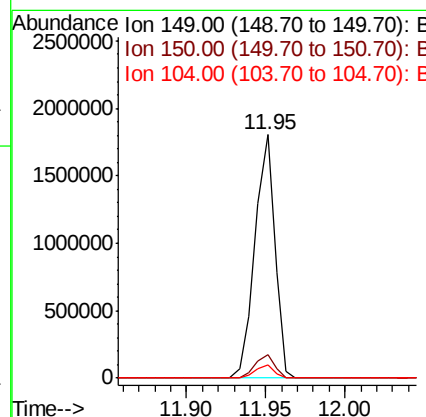
Manual Integrations
 APPROVED

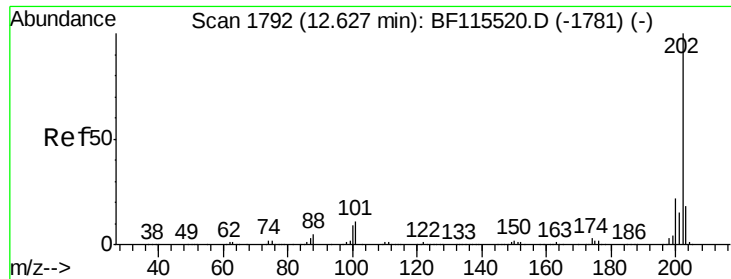
mohammad
 7/29/2019 5:29:04 PM



#74
 Di-n-butylphthalate
 Concen: 51.079 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.0	12.0
104	5.3	4.3	6.5





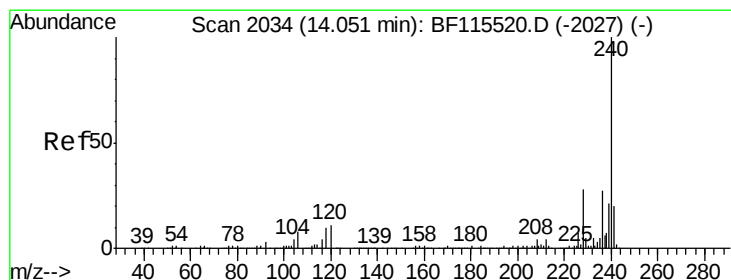
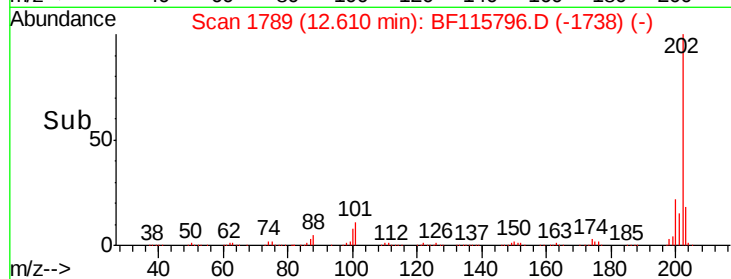
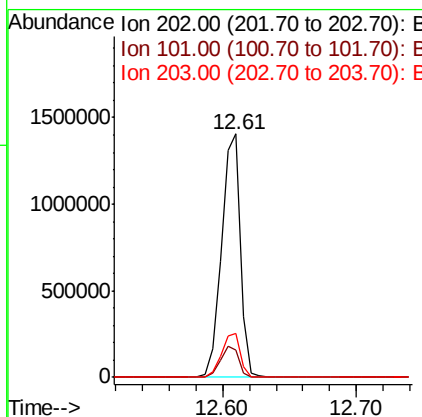
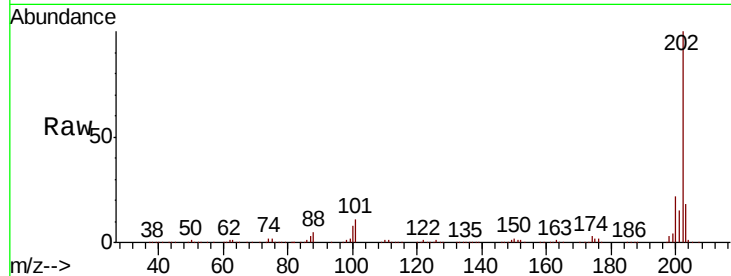
#75
 Fluoranthene
 Concen: 47.848 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.6
203	17.9	0.0	38.0

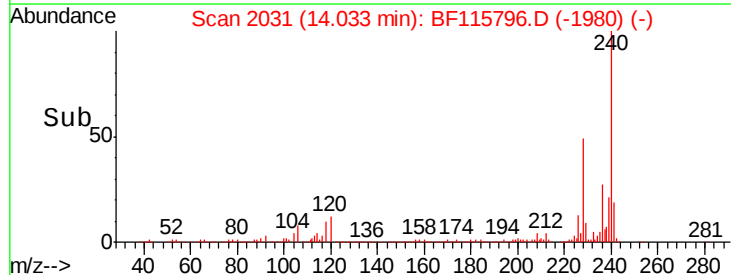
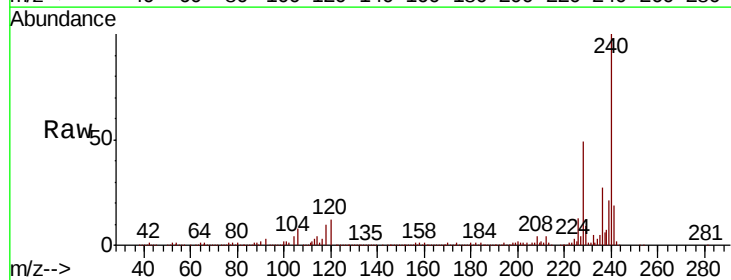
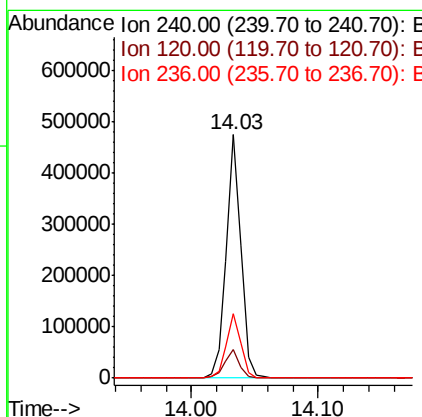
Manual Integrations
 APPROVED

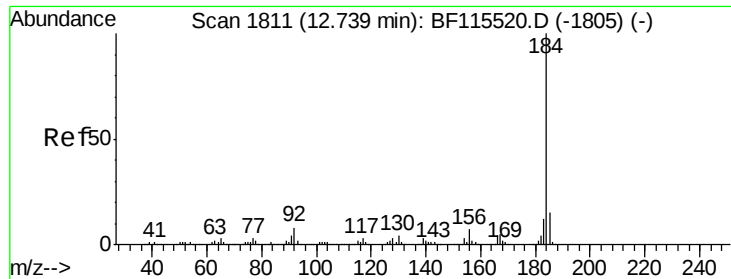
mohammad
 7/29/2019 5:29:04 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.0	15.0
236	26.5	21.8	32.6





#77

Benzidine

Concen: 26.044 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

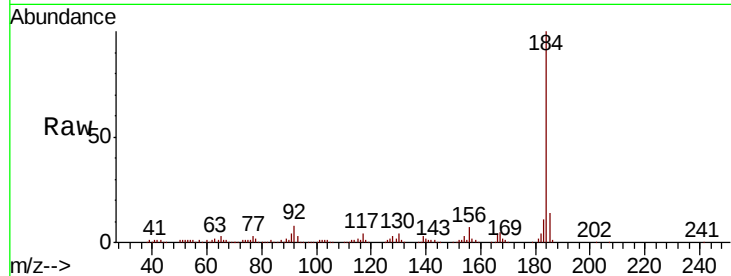
ClientSampleId :

BU-03-072419MSD

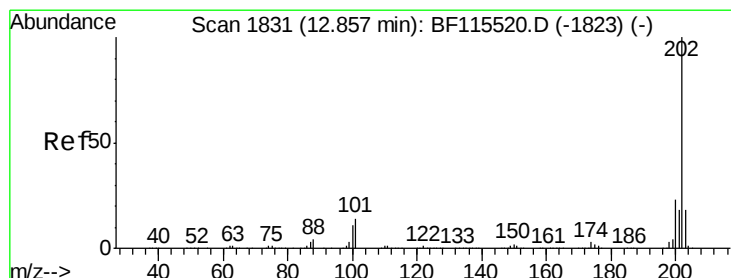
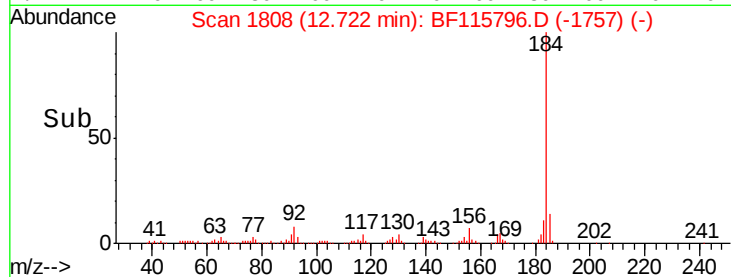
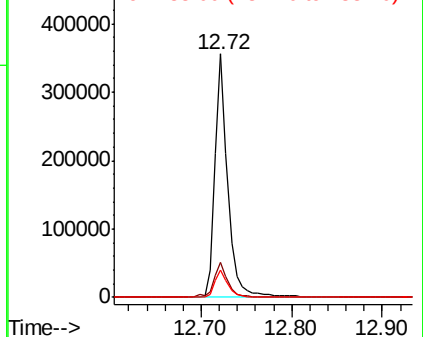
Tot Ion:	184	Resp:	352021
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.5	18.7
183	11.3	9.2	13.8

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.954 ng

RT: 12.83 min Scan# 1827

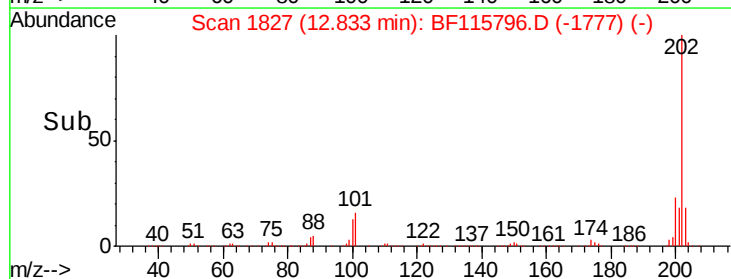
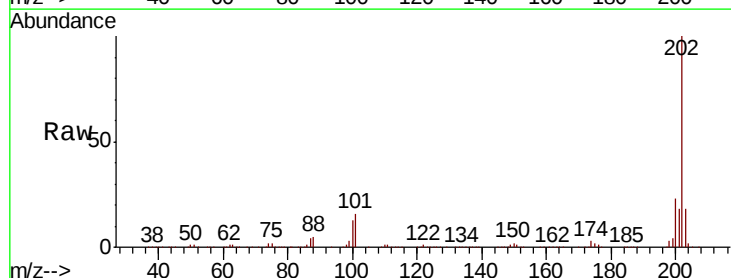
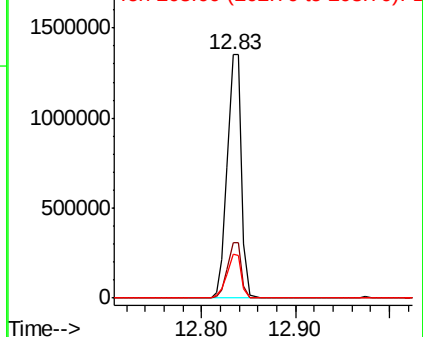
Delta R.T. -0.01 min

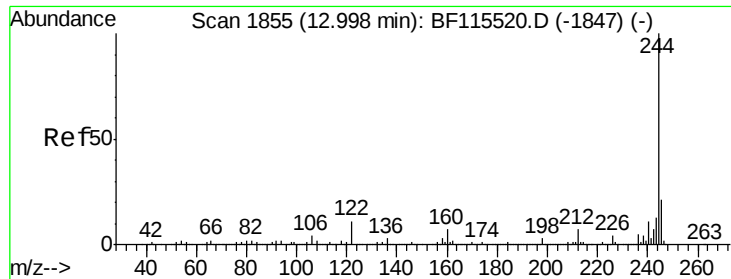
Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Tgt Ion:	202	Resp:	1420865
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.2	27.4
203	18.2	14.6	21.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





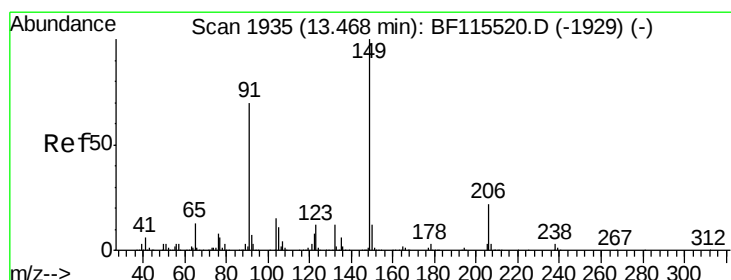
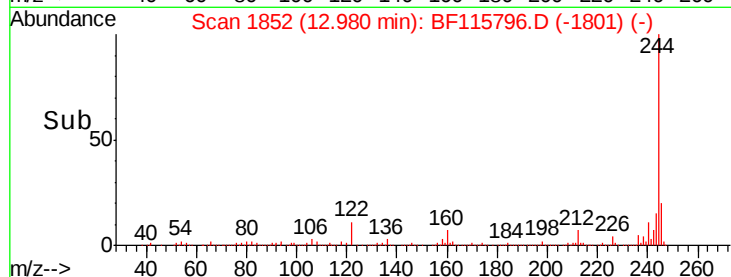
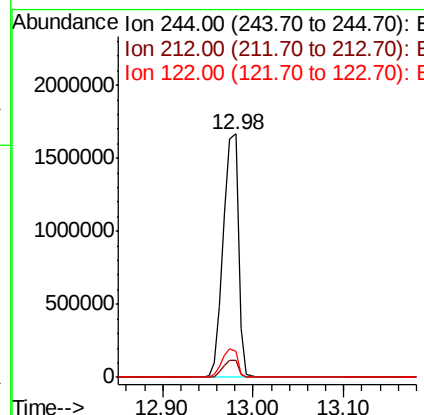
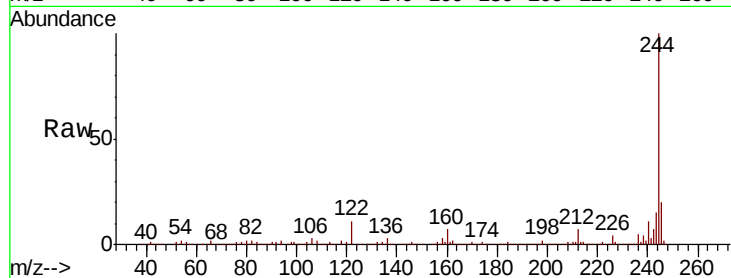
#79
 Terphenyl-d14
 Concen: 92.294 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	10.5	8.2	12.4

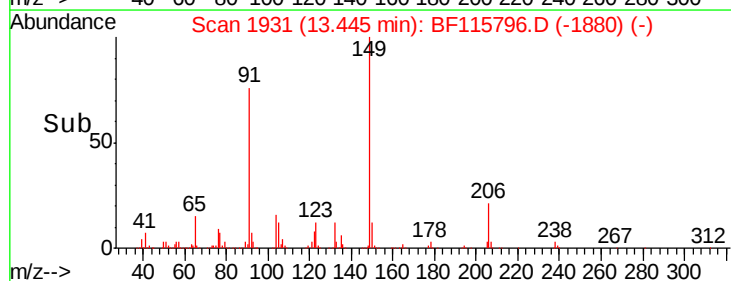
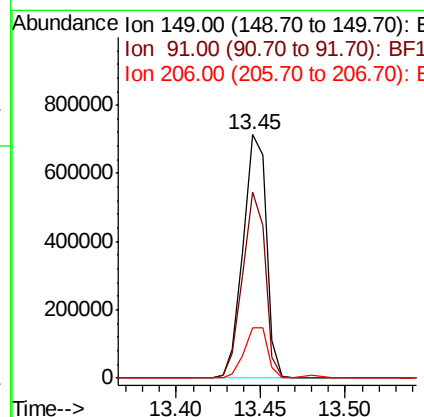
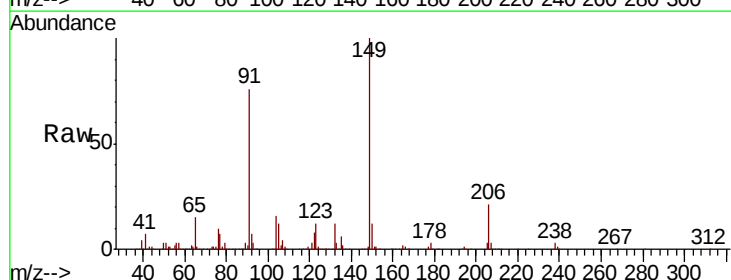
Manual Integrations
 APPROVED

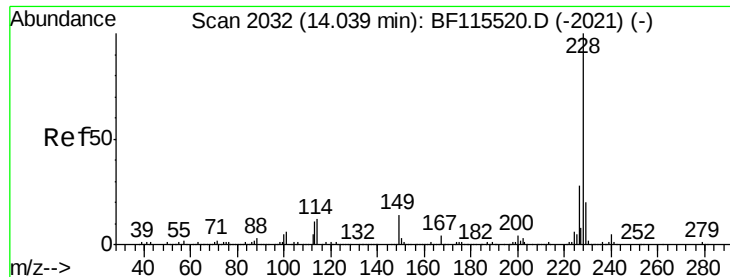
mohammad
 7/29/2019 5:29:04 PM



#80
 Butylbenzylphthalate
 Concen: 49.955 ng
 RT: 13.45 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: BF115796.D
 Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.3	59.8	89.8
206	20.5	16.2	24.4





#81

Benzo(a)anthracene

Concen: 45.644 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

ClientSampleId :

BU-03-072419MSD

Tot Ion:228 Resp: 1147341

Ion Ratio Lower Upper

228 100

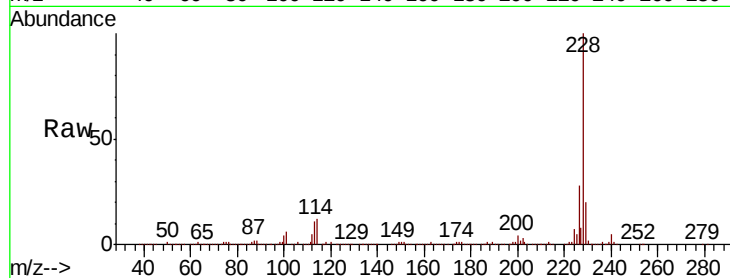
226 28.3 22.2 33.2

229 20.4 16.1 24.1

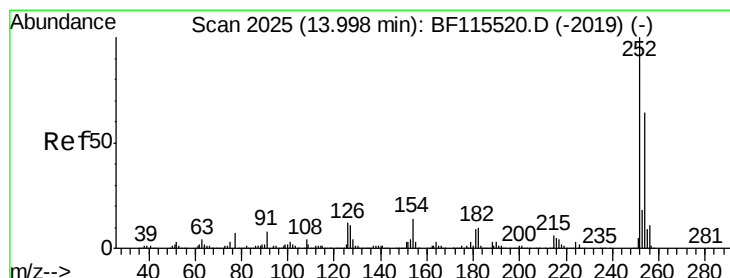
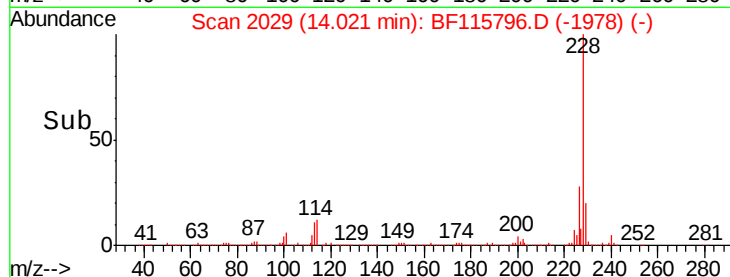
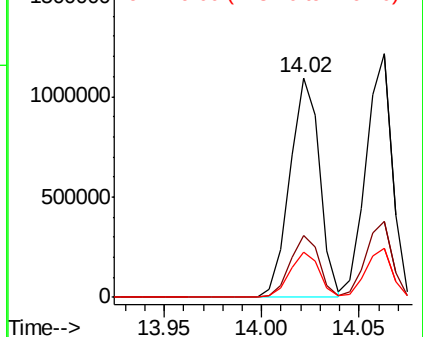
Manual Integrations
APPROVED

mohammad

7/29/2019 5:29:04 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 19.372 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Tgt Ion:252 Resp: 173108

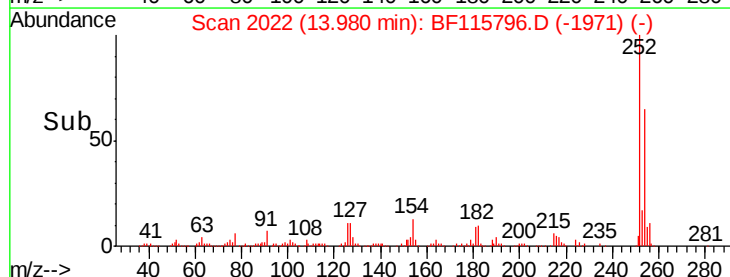
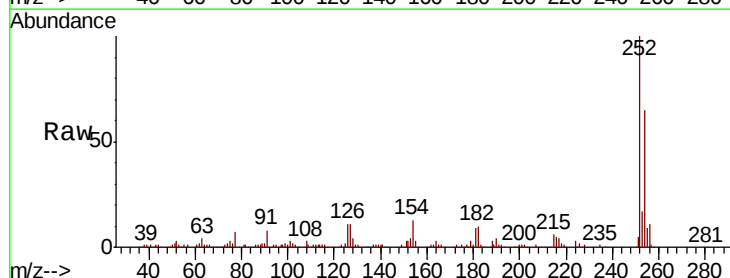
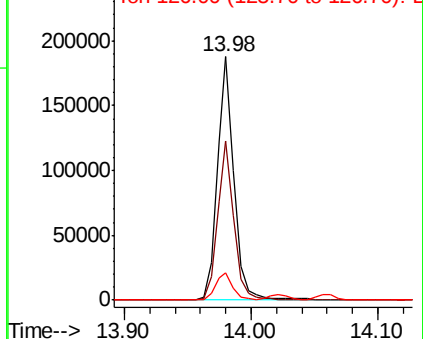
Ion Ratio Lower Upper

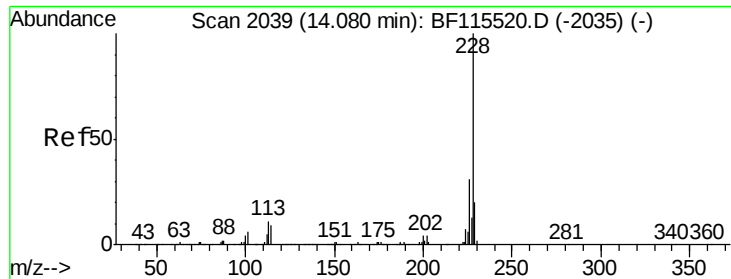
252 100

254 65.3 51.6 77.4

126 11.3 9.9 14.9

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





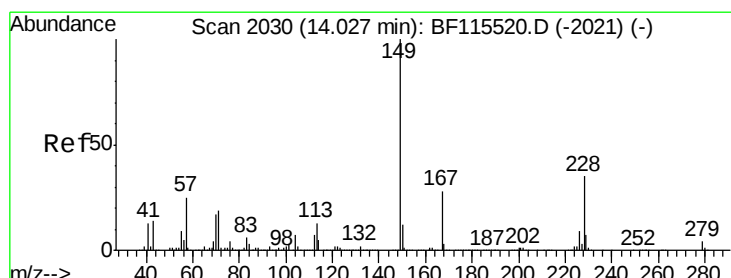
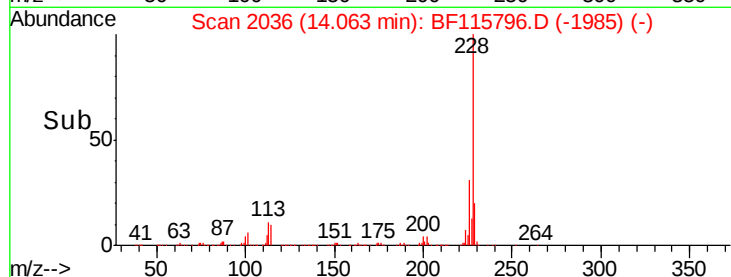
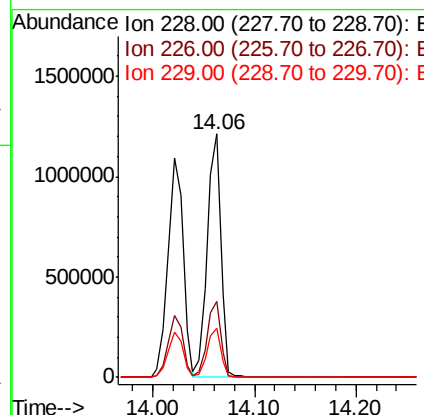
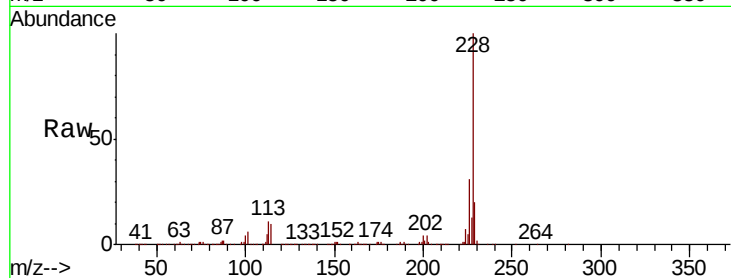
#83
Chrysene
Concen: 44.932 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.4
229	20.2	16.2	24.2

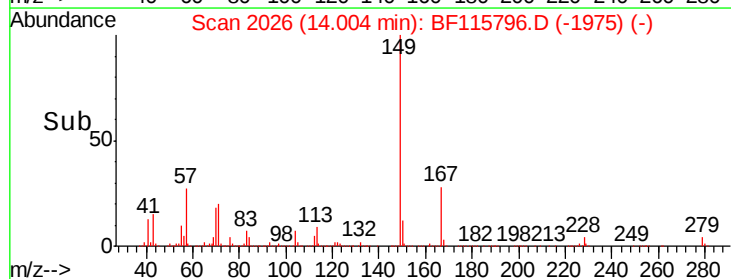
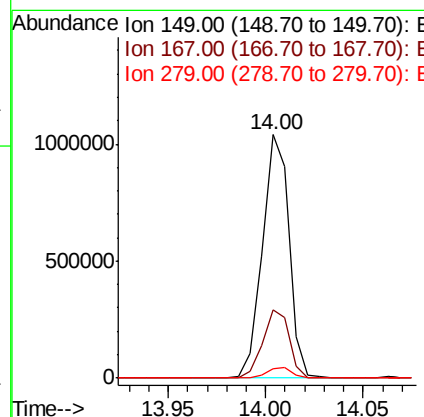
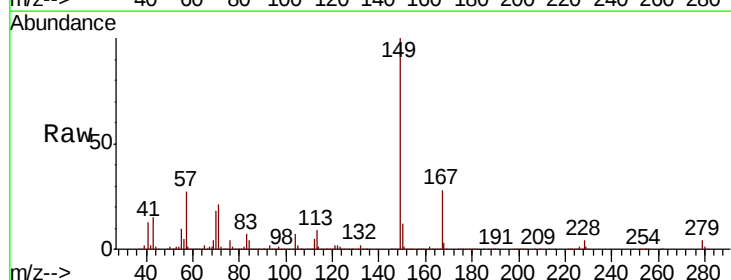
Manual Integrations
APPROVED

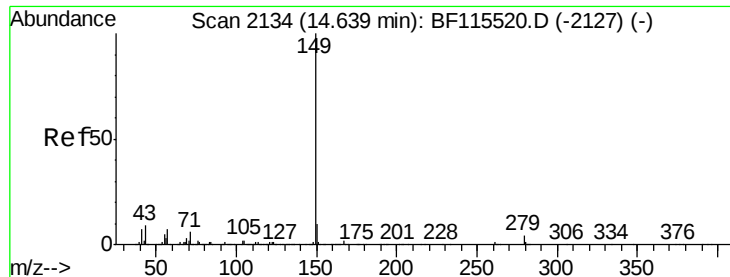
mohammad
7/29/2019 5:29:04 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.463 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	3.9	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 59.194 ng

RT: 14.62 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

Instrument :

BNA_F

ClientSampleId :

BU-03-072419MSD

Tot Ion:149 Resp: 1607667

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

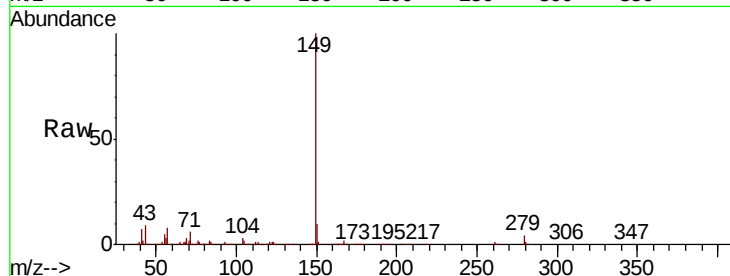
43 9.0 7.4 11.0

Manual Integrations

APPROVED

mohammad

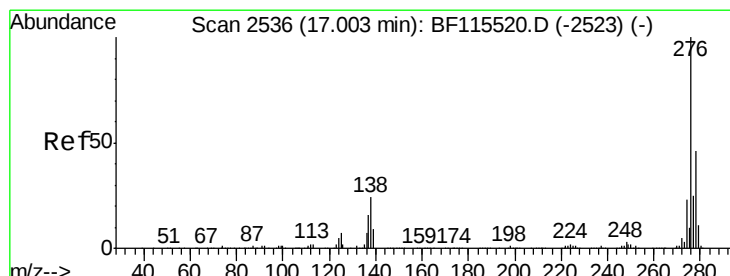
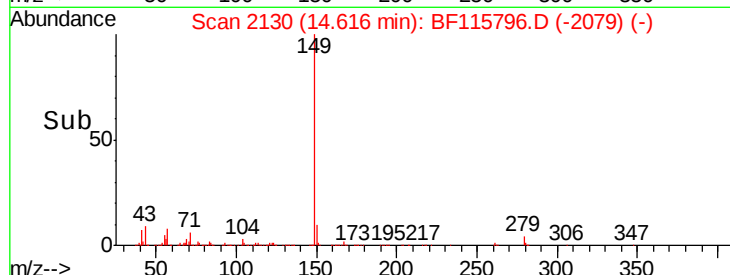
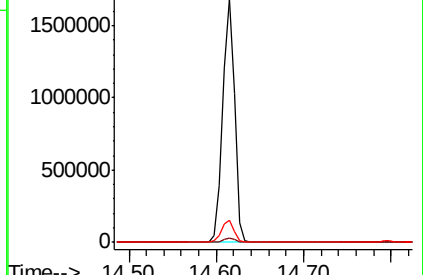
7/29/2019 5:29:04 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.916 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF115796.D

Acq: 26 Jul 2019 19:37

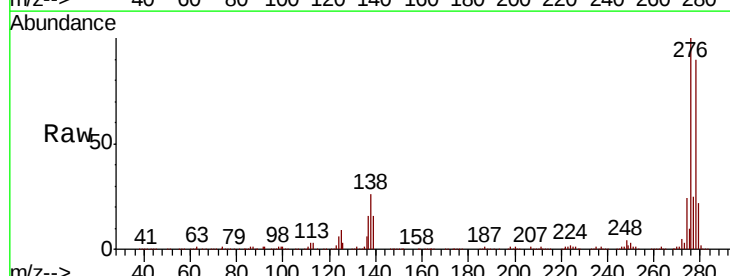
Tgt Ion:276 Resp: 1155852

Ion Ratio Lower Upper

276 100

138 25.1 20.1 30.1

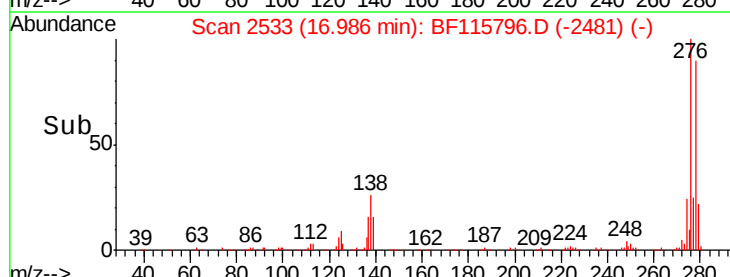
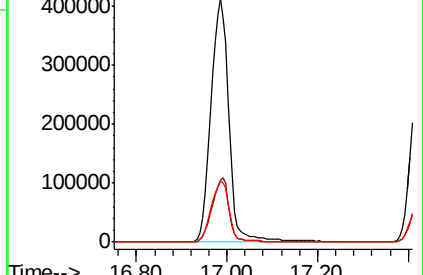
277 24.9 19.8 29.8

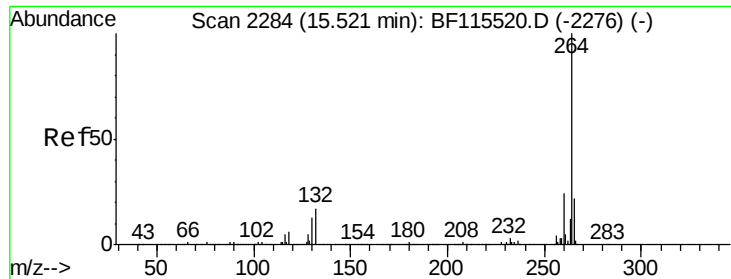


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





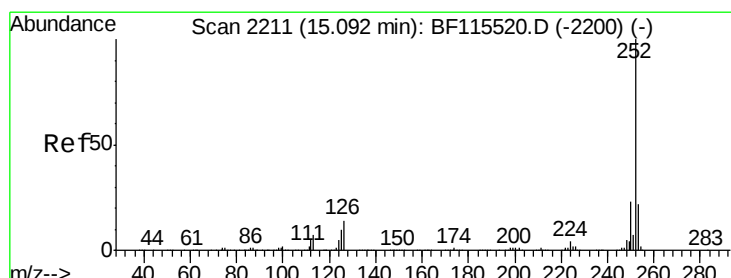
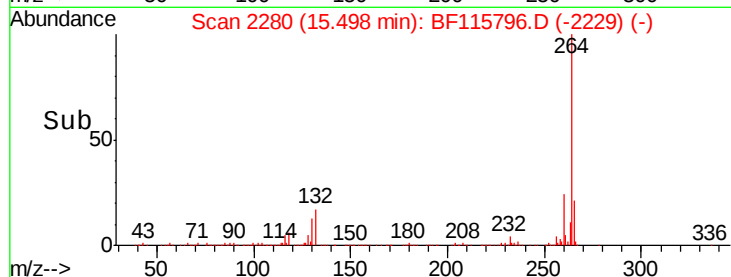
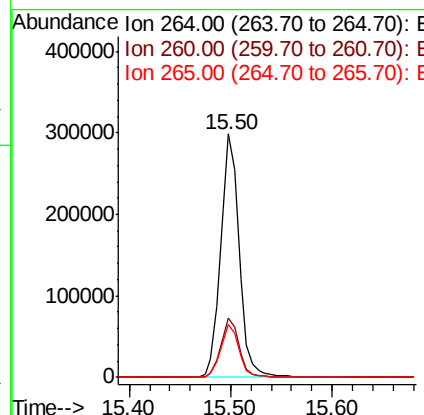
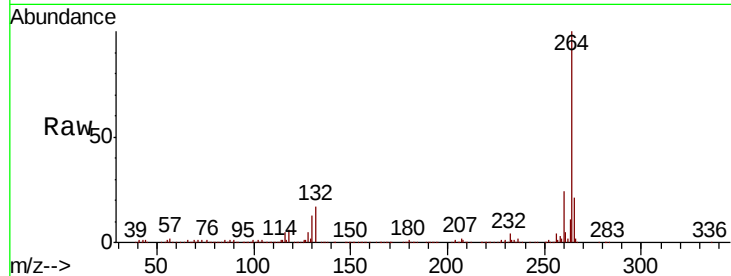
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	21.5	17.5	26.3

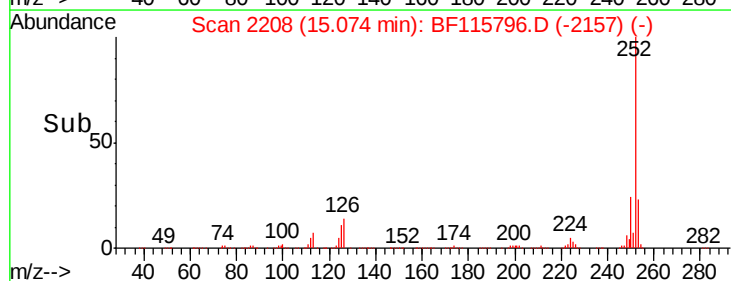
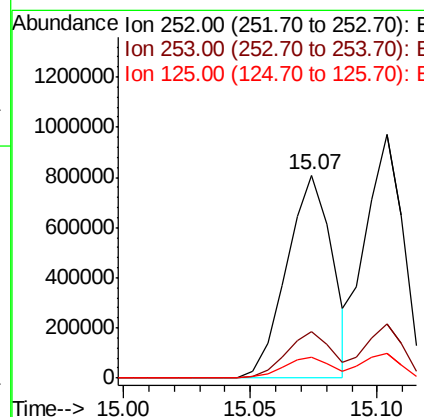
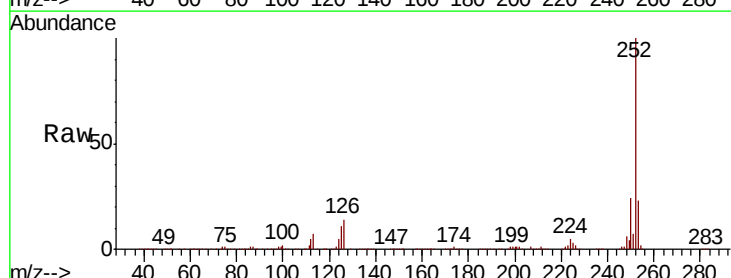
Manual Integrations
APPROVED

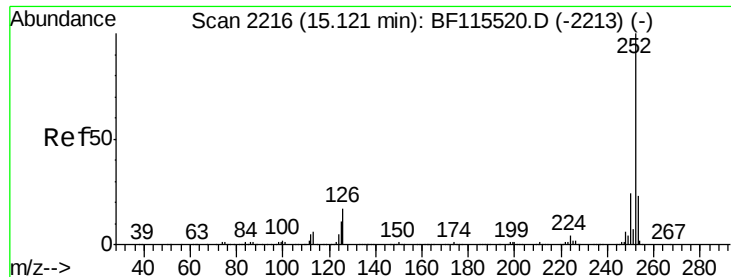
mohammad
7/29/2019 5:29:04 PM



#88
Benzo(b)fluoranthene
Concen: 41.671 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.5	8.4	12.6





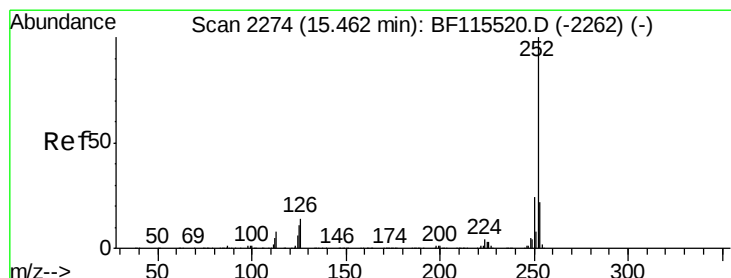
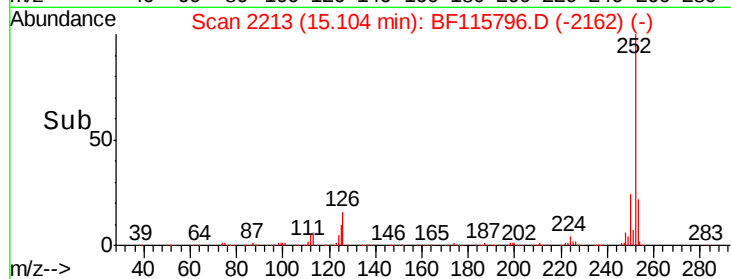
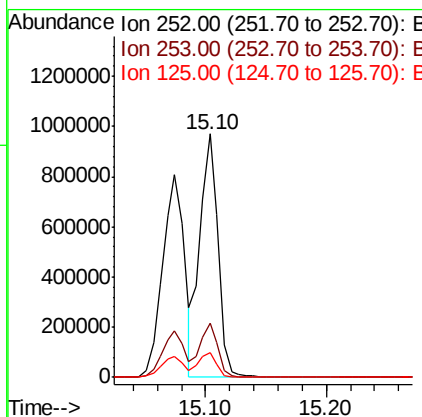
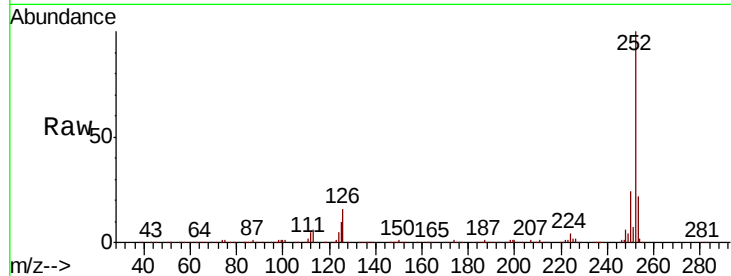
#89
Benzo(k)fluoranthene
Concen: 46.610 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.4	8.6	13.0

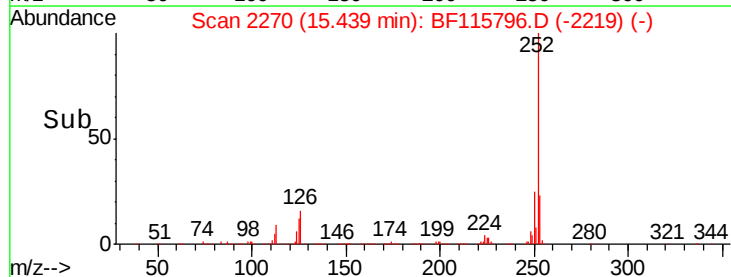
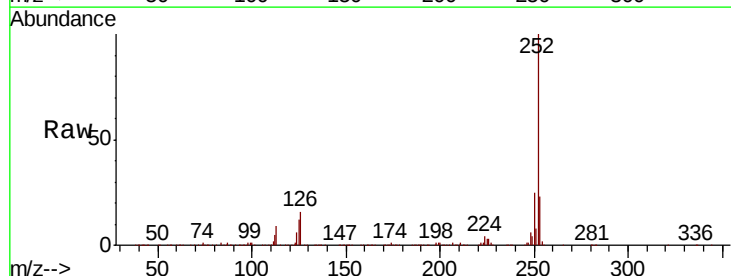
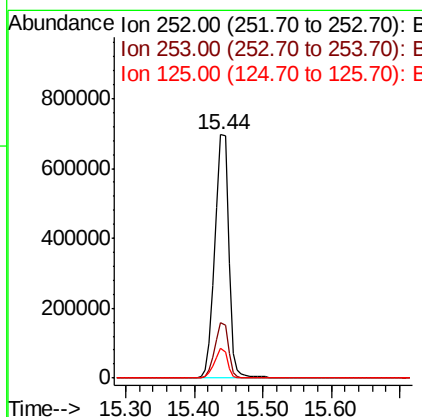
Manual Integrations
APPROVED

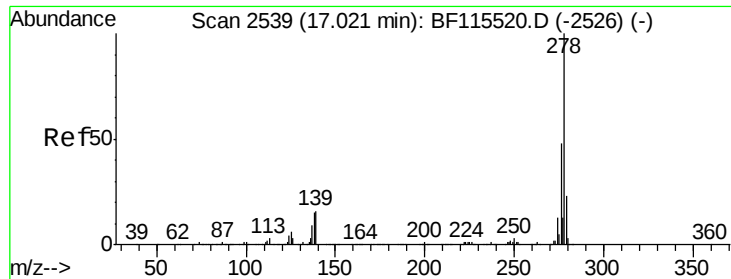
mohammad
7/29/2019 5:29:04 PM



#90
Benzo(a)pyrene
Concen: 46.228 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	12.0	9.4	14.2





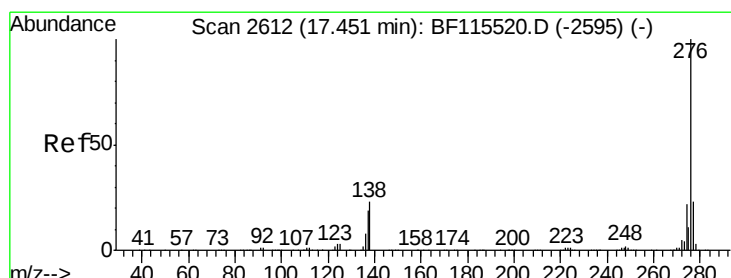
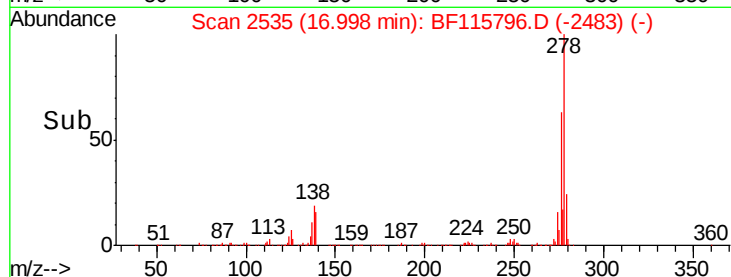
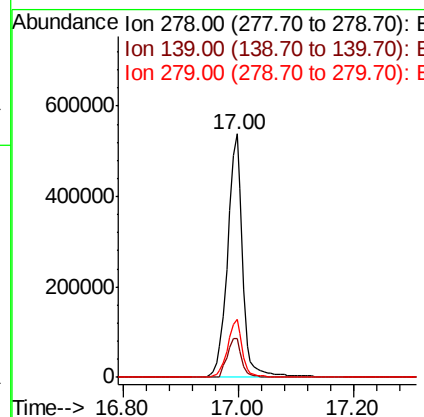
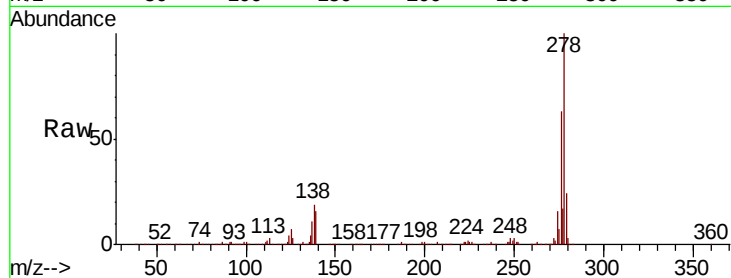
#91
Dibenzo(a,h)anthracene
Concen: 52.966 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Instrument :
BNA_F
ClientSampleId :
BU-03-072419MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.6	20.4
279	23.6	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/29/2019 5:29:04 PM



#92
Benzo(g,h,i)perylene
Concen: 51.021 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BF115796.D
Acq: 26 Jul 2019 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.1	27.1
138	21.4	16.6	24.8

