

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118386.D
 Acq On : 30 Dec 2019 17:41
 Operator : JU
 Sample : K6456-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Manual Integrations
 APPROVED

mohammad
 12/31/2019 12:04:04 PM

Quant Time: Dec 31 01:20:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	145436	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	568069	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	317412	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	595409	20.00	ng	0.00
76) Chrysene-d12	14.06	240	405781	20.00	ng	0.00
87) Perylene-d12	15.54	264	383832	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1056714	124.03	ng	0.02
7) Phenol-d6	6.50	99	1362566	128.92	ng	0.01
23) Nitrobenzene-d5	7.42	82	819735	82.53	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	490469	125.13	ng	0.01
45) 2-Fluorobiphenyl	9.22	172	1721165	82.77	ng	0.00
79) Terphenyl-d14	12.99	244	2169129	88.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	131607	38.857	ng	99
3) Pyridine	3.41	79	322395	35.727	ng	99
4) n-Nitrosodimethylamine	3.37	42	157522	42.221	ng	98
6) Aniline	6.52	93	335490	24.997	ng	# 57
8) 2-Chlorophenol	6.65	128	444015	46.014	ng	99
9) Benzaldehyde	6.40	77	238062	38.418	ng	98
10) Phenol	6.51	94	526026	44.280	ng	92
11) bis(2-Chloroethyl)ether	6.59	93	387419	45.601	ng	99
12) 1,3-Dichlorobenzene	6.79	146	464610	41.807	ng	99
13) 1,4-Dichlorobenzene	6.87	146	478676	42.406	ng	100
14) 1,2-Dichlorobenzene	7.02	146	449848	42.211	ng	98
15) Benzyl Alcohol	7.00	79	364293	45.268	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	388400	42.843	ng	82
17) 2-Methylphenol	7.12	107	351574	45.426	ng	97
18) Hexachloroethane	7.36	117	172889	41.732	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	288170	44.258	ng	98
20) 3+4-Methylphenols	7.27	107	449615	45.391	ng	98
22) Acetophenone	7.26	105	598793	43.008	ng	# 96
24) Nitrobenzene	7.44	77	434625	43.684	ng	99
25) Isophorone	7.68	82	796990	46.043	ng	100
26) 2-Nitrophenol	7.76	139	251080	47.645	ng	99
27) 2,4-Dimethylphenol	7.80	122	383412	53.325	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	494250	43.660	ng	99
29) 2,4-Dichlorophenol	8.00	162	381292	46.073	ng	97
30) 1,2,4-Trichlorobenzene	8.08	180	419666	43.532	ng	95
31) Naphthalene	8.16	128	1293617	44.804	ng	100
32) Benzoic acid	7.95	122	236000	39.949	ng	91
33) 4-Chloroaniline	8.22	127	142627	11.523	ng	97
34) Hexachlorobutadiene	8.27	225	240854	41.971	ng	99
35) Caprolactam	8.60	113	123128m	47.655	ng	
36) 4-Chloro-3-methylphenol	8.71	107	410075	46.152	ng	98
37) 2-Methylnaphthalene	8.86	142	912511	46.161	ng	99
38) 1-Methylnaphthalene	8.96	142	851712	45.731	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	399861	41.928	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118386.D
 Acq On : 30 Dec 2019 17:41
 Operator : JU
 Sample : K6456-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

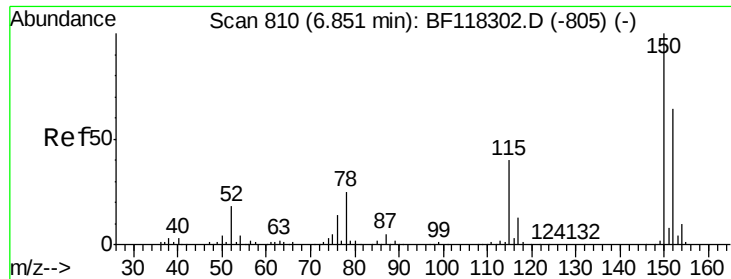
Manual Integrations
 APPROVED

mohammad
 12/31/2019 12:04:04 PM

Quant Time: Dec 31 01:20:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	291607	73.445	nq	99
43) 2,4,6-Trichlorophenol	9.14	196	273482	42.924	nq	98
44) 2,4,5-Trichlorophenol	9.19	196	287864	43.921	nq	96
46) 1,1'-Biphenyl	9.32	154	1094101	43.580	nq	98
47) 2-Chloronaphthalene	9.35	162	841717	41.657	nq	98
48) 2-Nitroaniline	9.45	65	234491	41.087	nq	98
49) Acenaphthylene	9.77	152	1317902	43.978	nq	99
50) Dimethylphthalate	9.62	163	1140948	47.886	nq	98
51) 2,6-Dinitrotoluene	9.69	165	228067	44.399	nq	99
52) Acenaphthene	9.94	154	783162	42.905	nq	100
53) 3-Nitroaniline	9.86	138	119061	19.748	nq	91
54) 2,4-Dinitrophenol	9.99	184	212629	81.961	nq	90
55) Dibenzofuran	10.11	168	1178100	43.680	nq	96
56) 4-Nitrophenol	10.05	139	316491	85.034	nq	95
57) 2,4-Dinitrotoluene	10.10	165	310471	45.233	nq	# 86
58) Fluorene	10.46	166	946952	43.493	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	237805	42.702	nq	98
60) Diethylphthalate	10.33	149	1058162	44.892	nq	100
61) 4-Chlorophenyl-phenylether	10.45	204	477746	43.956	nq	96
62) 4-Nitroaniline	10.49	138	244312	39.007	nq	98
63) Azobenzene	10.60	77	909149	45.030	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	161225	50.194	nq	98
66) n-Nitrosodiphenylamine	10.57	169	863266	45.238	nq	100
67) 4-Bromophenyl-phenylether	10.94	248	302058	43.349	nq	93
68) Hexachlorobenzene	11.01	284	347516	42.370	nq	96
69) Atrazine	11.10	200	305482	51.868	nq	96
70) Pentachlorophenol	11.21	266	284997	80.233	nq	97
71) Phenanthrene	11.43	178	1426344	43.943	nq	99
72) Anthracene	11.47	178	1484128	45.681	nq	100
73) Carbazole	11.63	167	1267667	43.972	nq	99
74) Di-n-butylphthalate	11.96	149	1751536	47.917	nq	100
75) Fluoranthene	12.62	202	1482904	45.269	nq	99
77) Benzidine	12.74	184	738475	66.418	nq	98
78) Pyrene	12.85	202	1462907	44.148	nq	99
80) Butylbenzylphthalate	13.46	149	724650	48.569	nq	97
81) Benzo(a)anthracene	14.05	228	1245925	43.865	nq	99
82) 3,3'-Dichlorobenzidine	14.00	252	284757	29.569	nq	98
83) Chrysene	14.09	228	1181216	43.432	nq	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1080310	55.065	nq	99
85) Di-n-octyl phthalate	14.63	149	1657892	57.449	nq	100
86) Indeno(1,2,3-cd)pyrene	17.07	276	1139246	49.162	nq	100
88) Benzo(b)fluoranthene	15.11	252	1075042	42.194	nq	99
89) Benzo(k)fluoranthene	15.14	252	1058078	43.250	nq	99
90) Benzo(a)pyrene	15.49	252	962754	42.895	nq	99
91) Dibenzo(a,h)anthracene	17.08	278	964401	49.514	nq	98
92) Benzo(g,h,i)perylene	17.52	276	946939	50.329	nq	99

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



#1

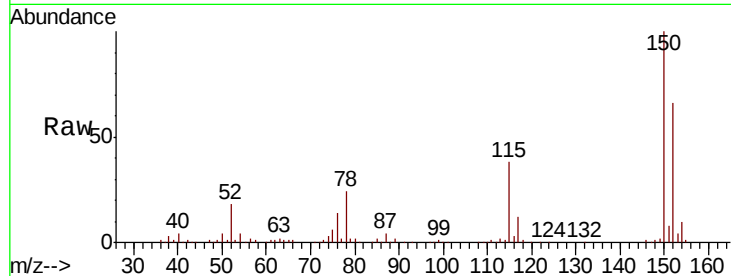
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	125.4	188.2
115	57.9	50.2	75.4

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

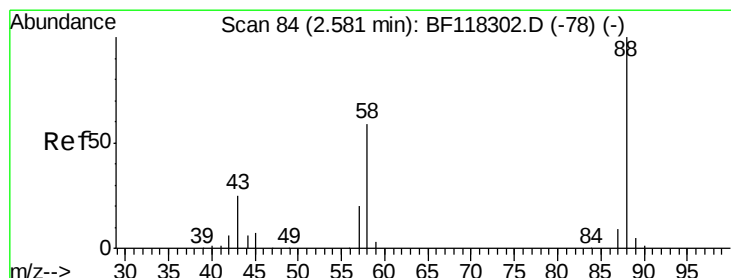
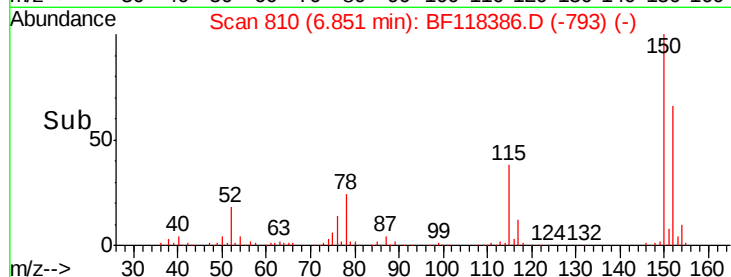
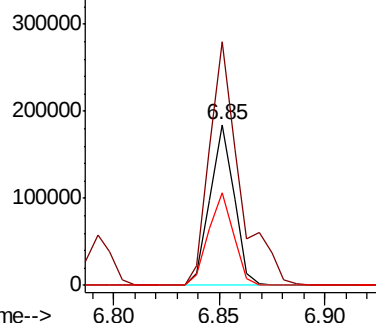


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

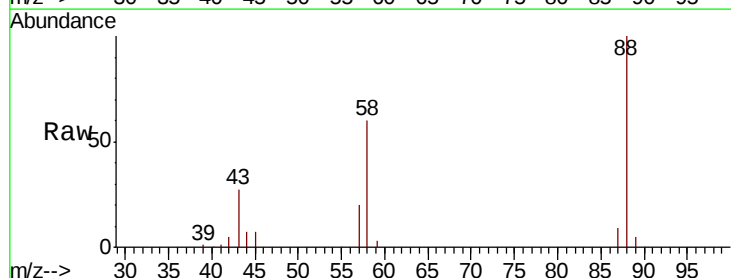
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 38.857 ng
RT: 2.65 min Scan# 96
Delta R.T. 0.07 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.3	47.6	71.4
43	25.6	20.6	30.8

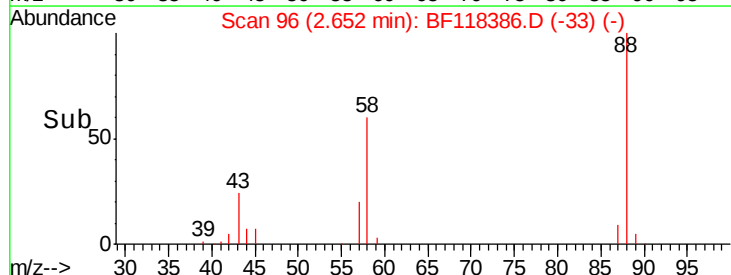
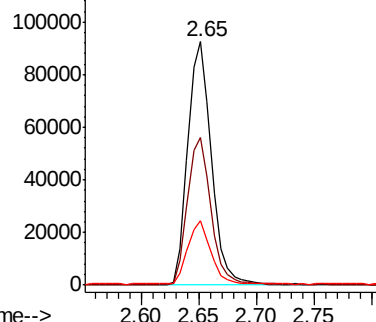


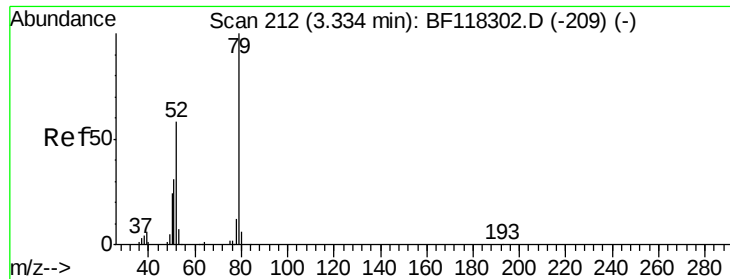
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 35.727 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.08 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

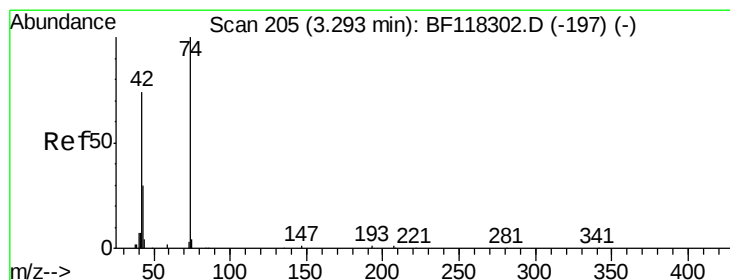
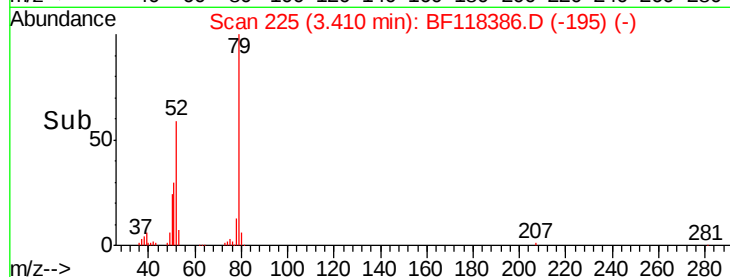
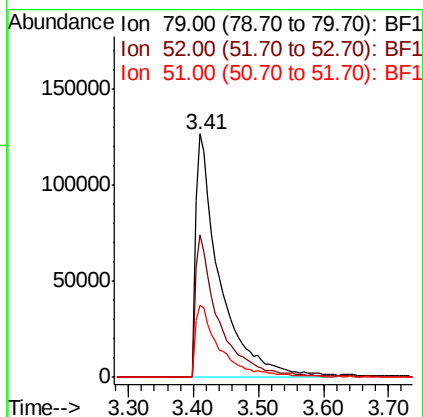
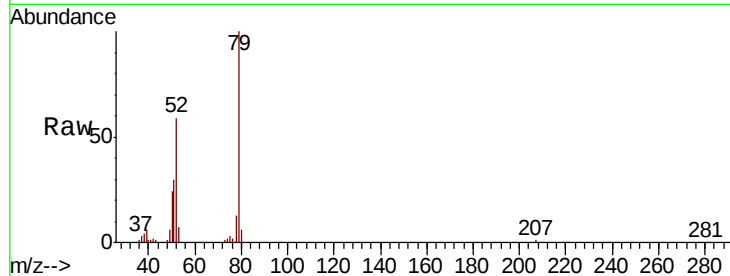
ClientSampleId :

SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		322395		
52	58.6	46.4	69.6		
51	29.7	24.9	37.3		

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



#4

n-Nitrosodimethylamine

Concen: 42.221 ng

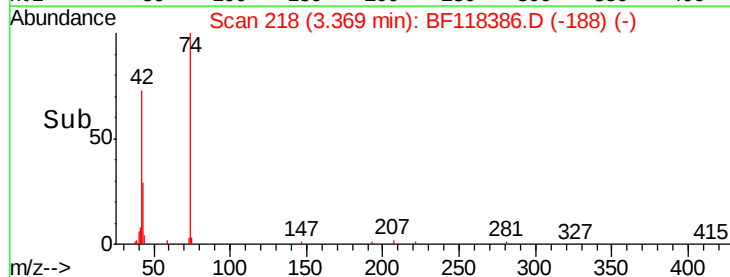
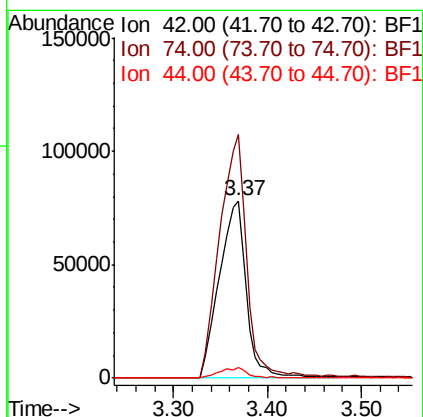
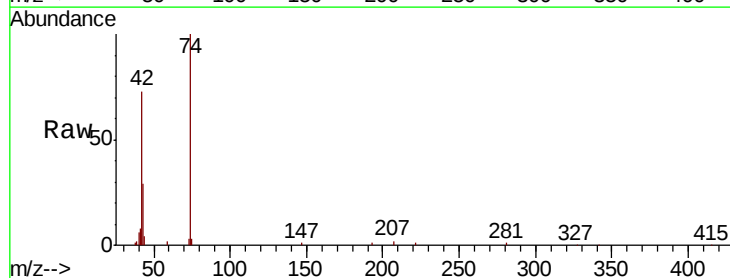
RT: 3.37 min Scan# 218

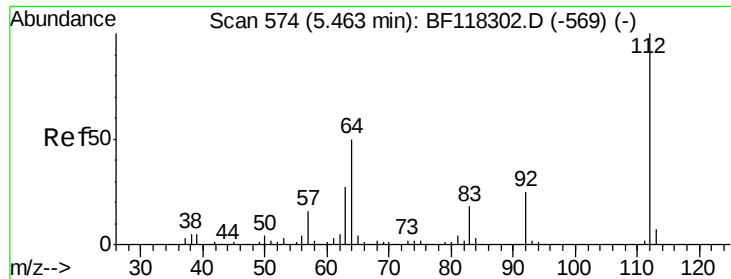
Delta R.T. 0.08 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		157522		
74	137.0	107.7	161.5		
44	5.8	4.8	7.2		





#5

2-Fluorophenol

Concen: 124.027 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:112 Resp: 1056714

Ion Ratio Lower Upper

112 100

64 50.7 39.7 59.5

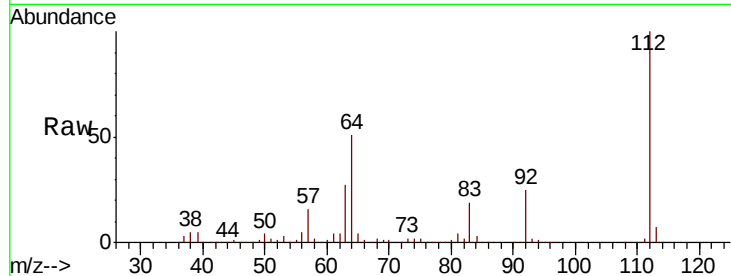
63 27.2 21.7 32.5

Manual Integrations

APPROVED

mohammad

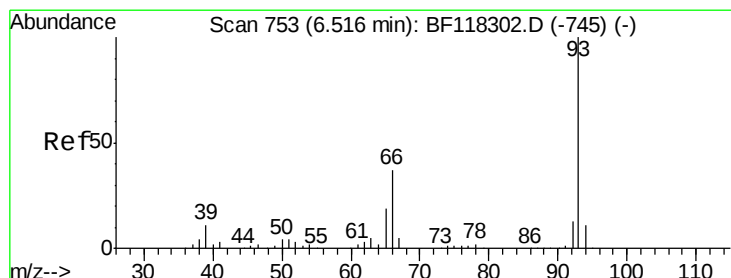
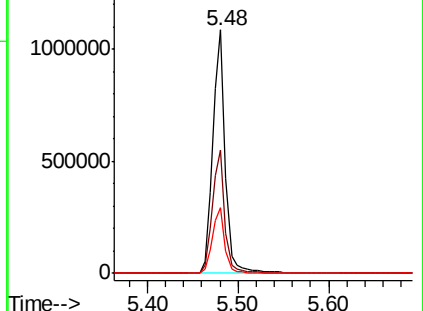
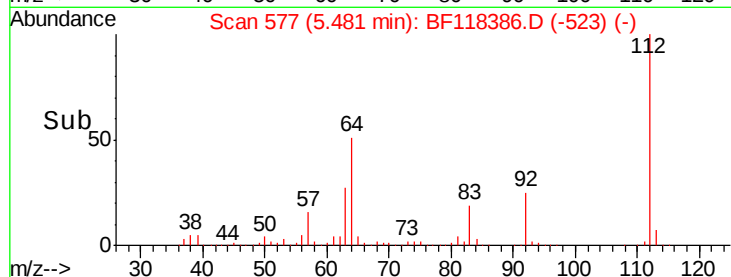
12/31/2019 12:04:04 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.997 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

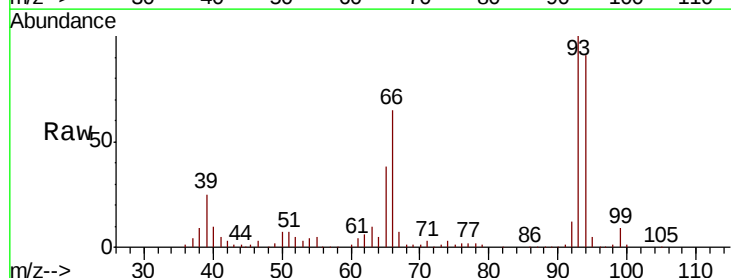
Tgt Ion: 93 Resp: 335490

Ion Ratio Lower Upper

93 100

66 65.0 30.2 45.4#

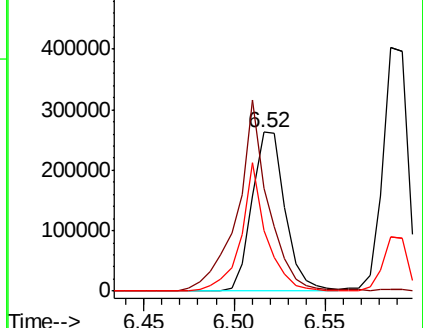
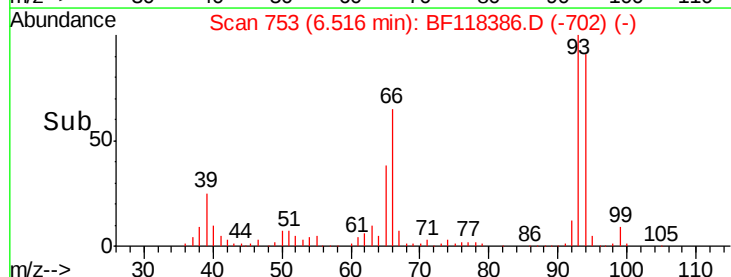
65 37.8 15.7 23.5#

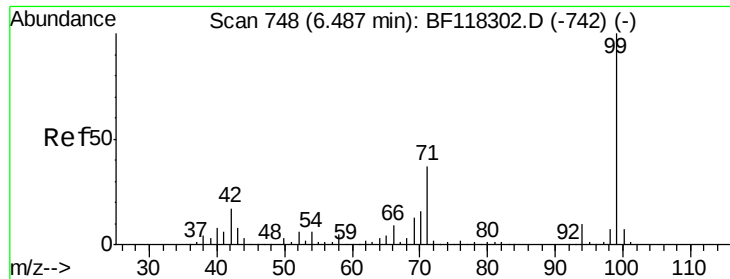


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.917 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampled :

SB-04MSD

Tot Ion: 99 Resp: 1362566

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

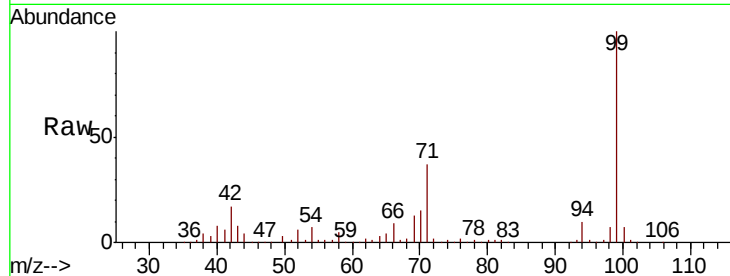
71 36.8 29.4 44.2

Manual Integrations

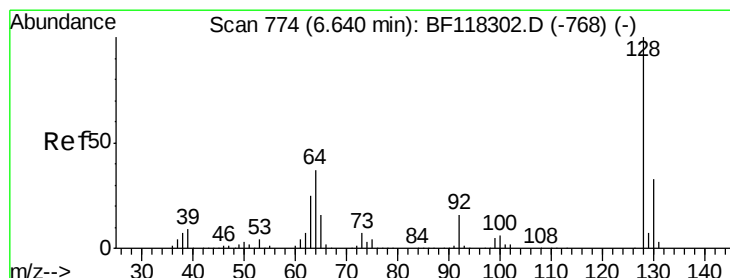
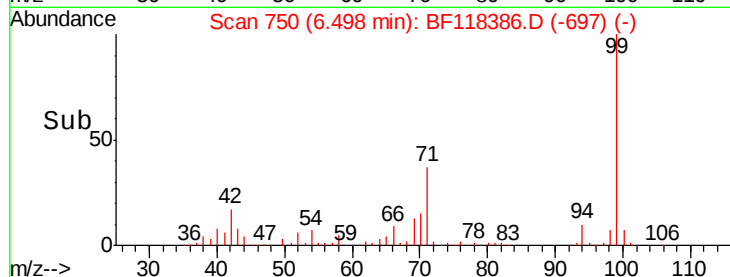
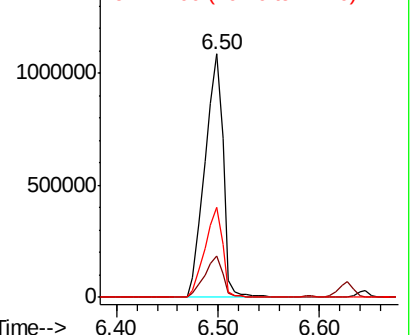
APPROVED

mohammad

12/31/2019 12:04:04 PM



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



#8

2-Chlorophenol

Concen: 46.014 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

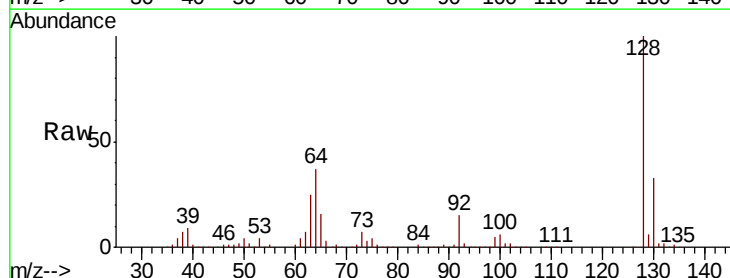
Tgt Ion: 128 Resp: 444015

Ion Ratio Lower Upper

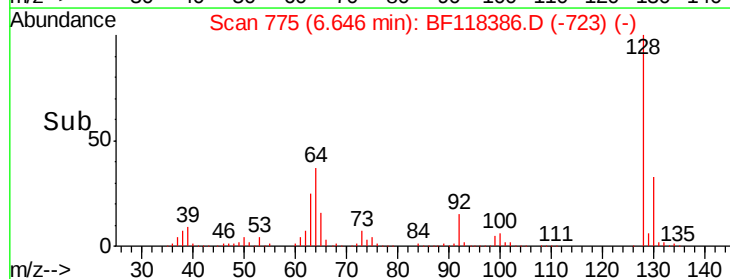
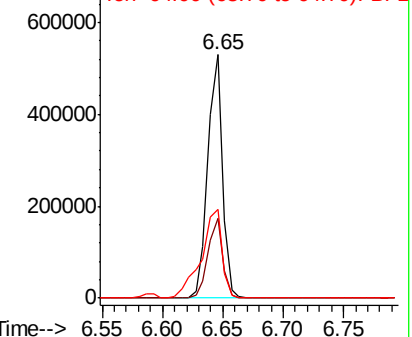
128 100

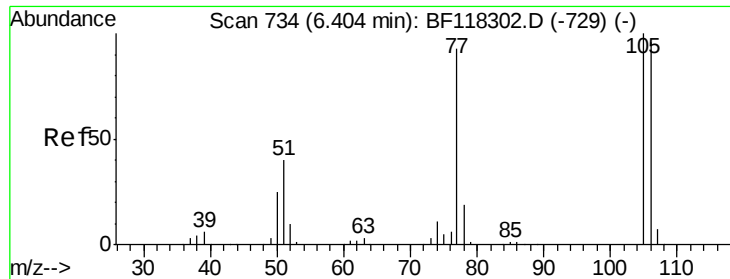
130 32.9 13.2 53.2

64 36.7 17.7 57.7



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





#9

Benzaldehyde

Concen: 38.418 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

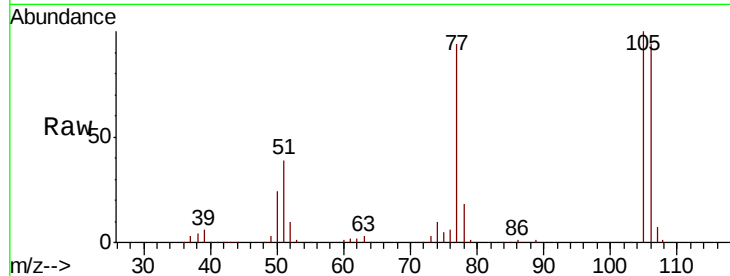
ClientSampleId :

SB-04MSD

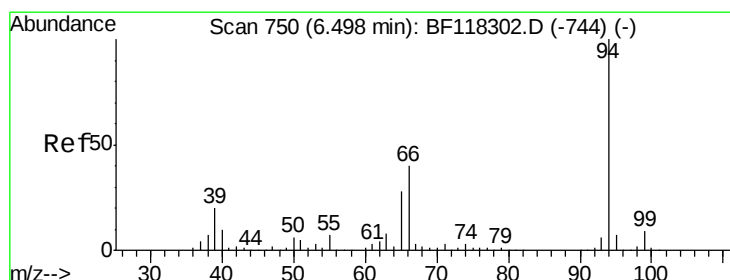
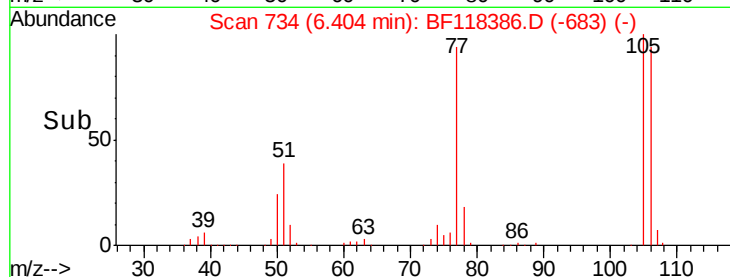
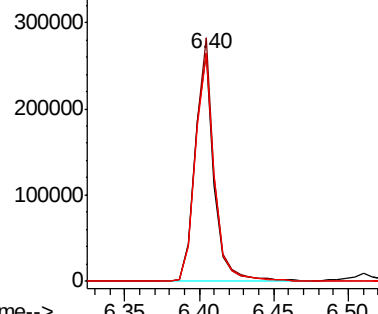
Tot Ion:	77	Resp:	238062
Ion	Ratio	Lower	Upper
77	100		
105	106.8	87.5	127.5
106	100.1	83.6	123.6

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 44.280 ng

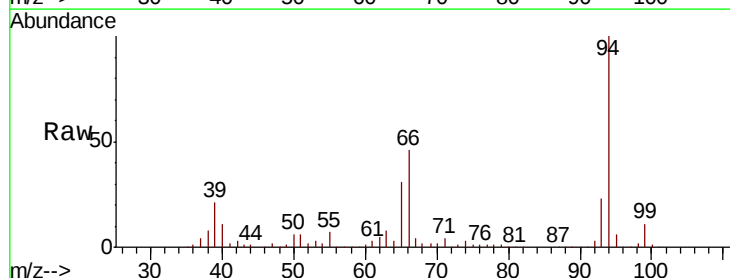
RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

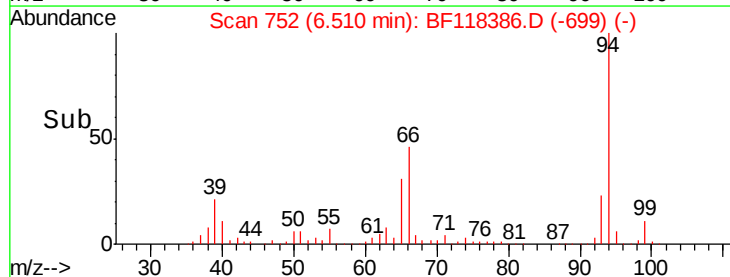
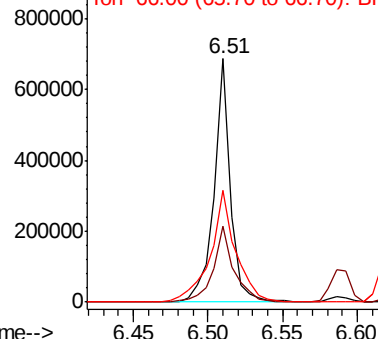
Lab File: BF118386.D

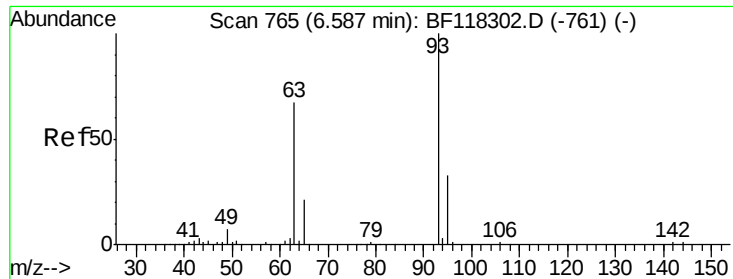
Acq: 30 Dec 2019 17:41

Tgt Ion:	94	Resp:	526026
Ion	Ratio	Lower	Upper
94	100		
65	30.9	7.8	47.8
66	46.0	20.4	60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





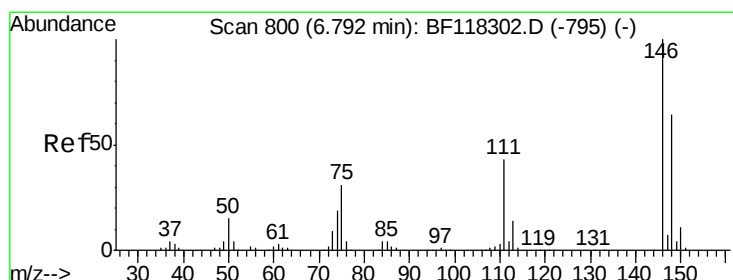
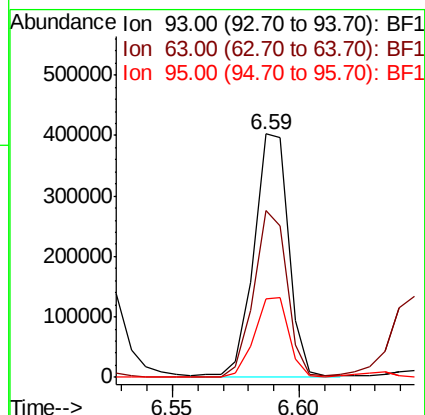
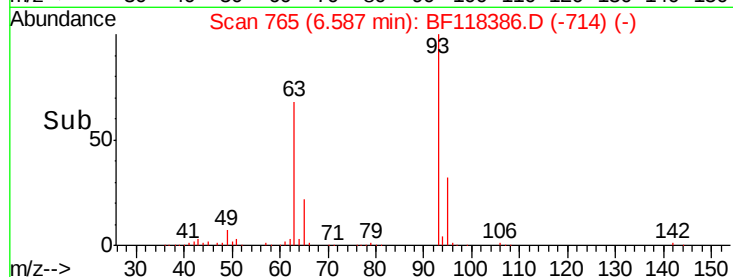
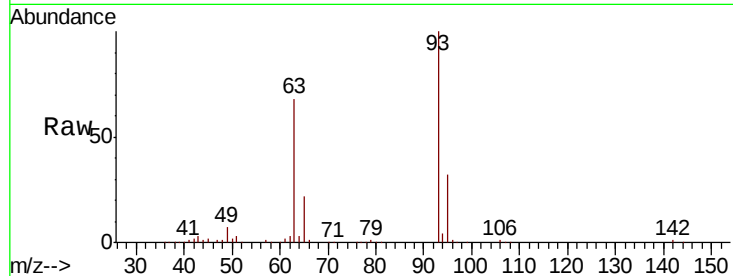
#11
bis(2-Chloroethyl)ether
Concen: 45.601 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.4	47.0	87.0
95	32.4	12.8	52.8

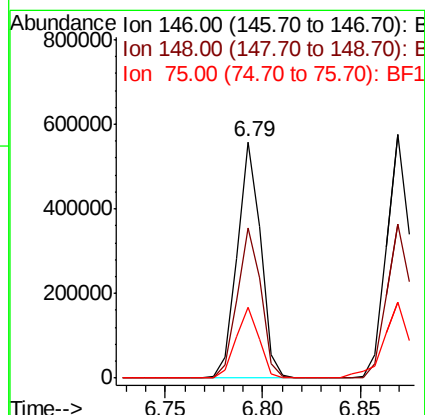
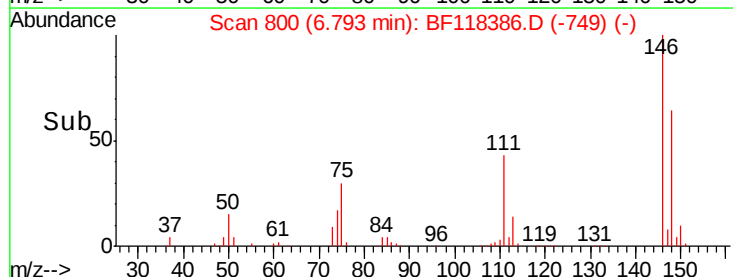
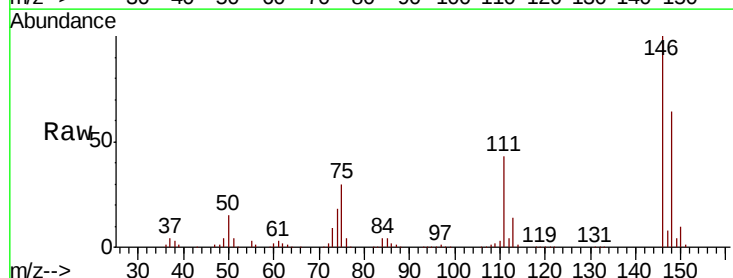
Manual Integrations
APPROVED

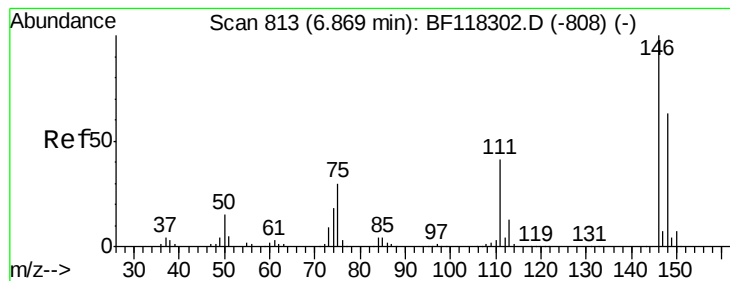
mohammad
12/31/2019 12:04:04 PM



#12
1,3-Dichlorobenzene
Concen: 41.807 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
75	30.0	24.4	36.6





#13

1,4-Dichlorobenzene

Concen: 42.406 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

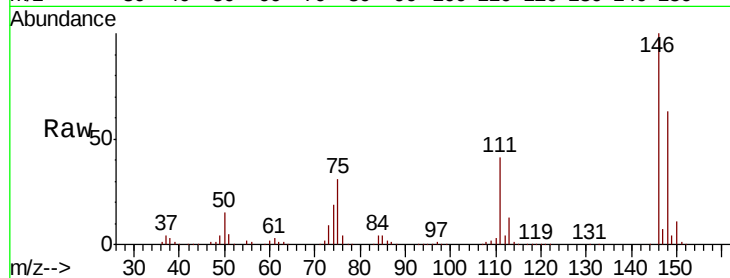
ClientSampleId :

SB-04MSD

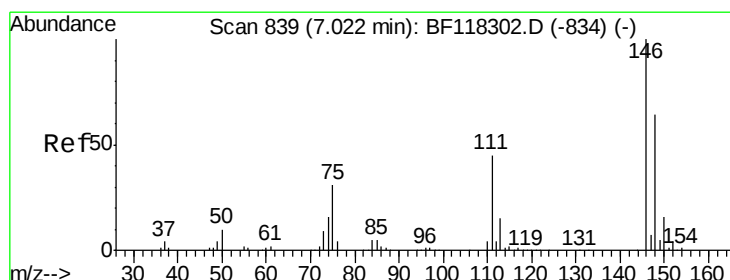
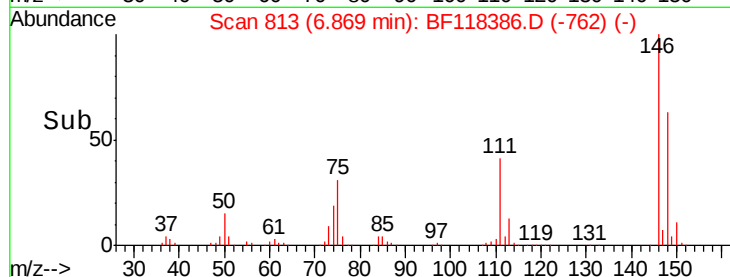
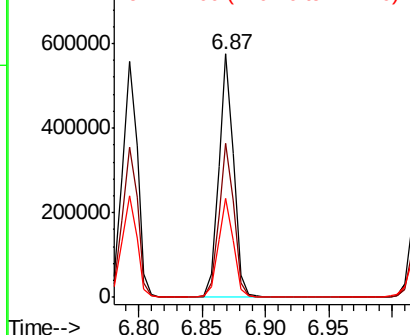
Tot Ion:	146	Resp:	478676
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.3	75.5
111	40.8	32.8	49.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.211 ng

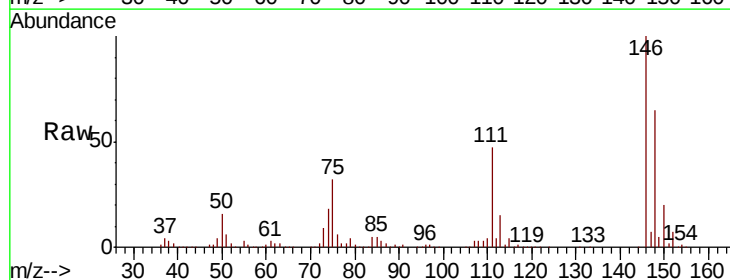
RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

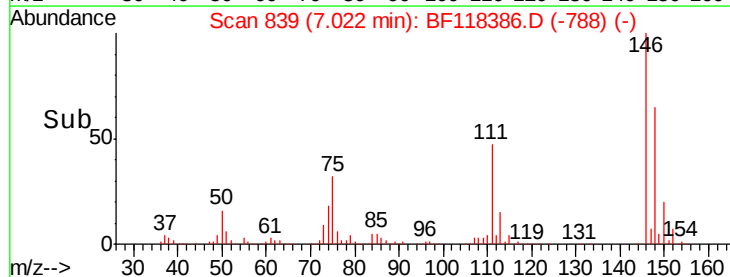
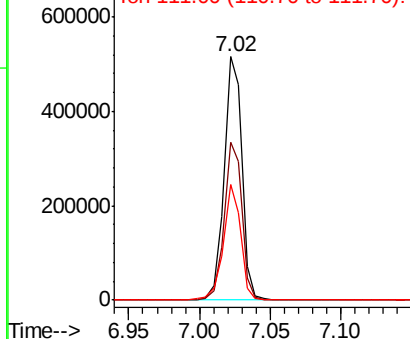
Lab File: BF118386.D

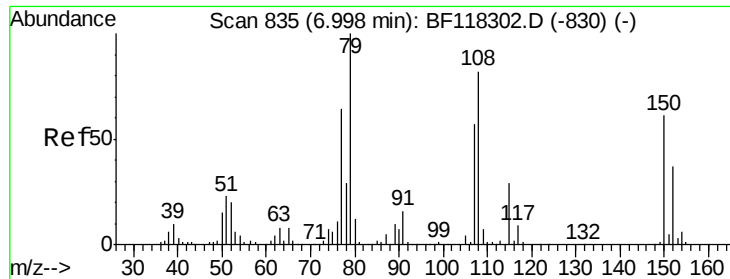
Acq: 30 Dec 2019 17:41

Tgt Ion:	146	Resp:	449848
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.3	76.9
111	47.4	35.7	53.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.268 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

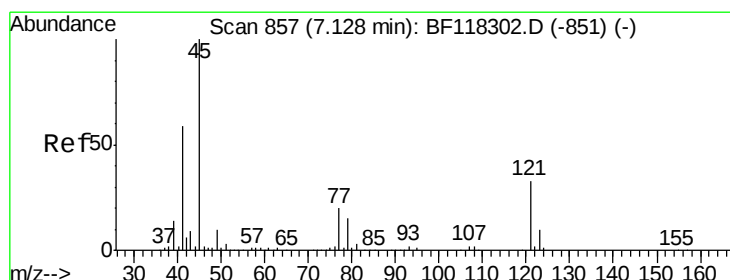
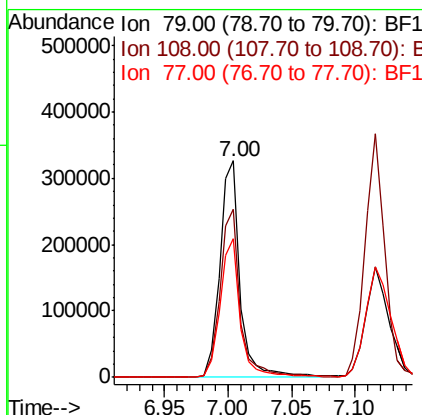
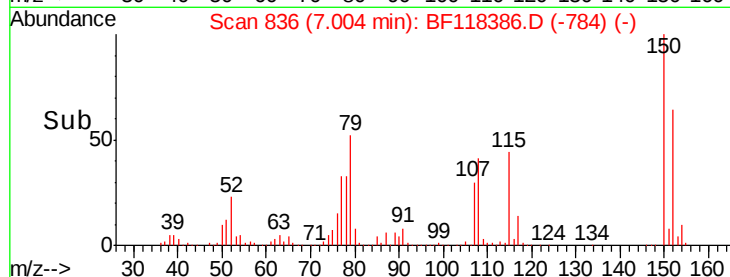
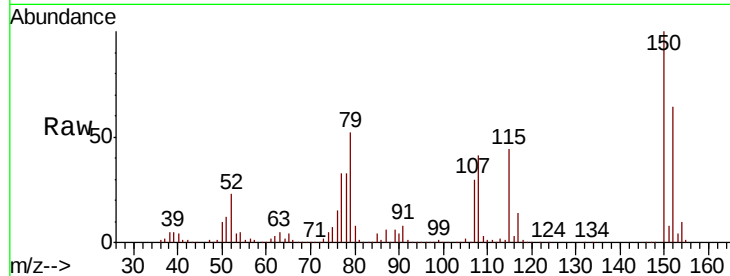
ClientSampled :

SB-04MSD

Tot Ion:	79	Resp:	364293
Ion Ratio	Lower	Upper	
79	100		
108	77.6	65.4	98.0
77	63.9	51.4	77.0

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.843 ng

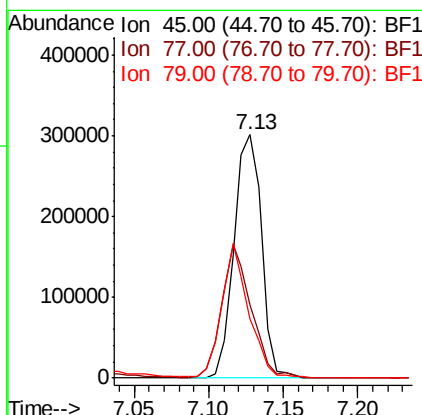
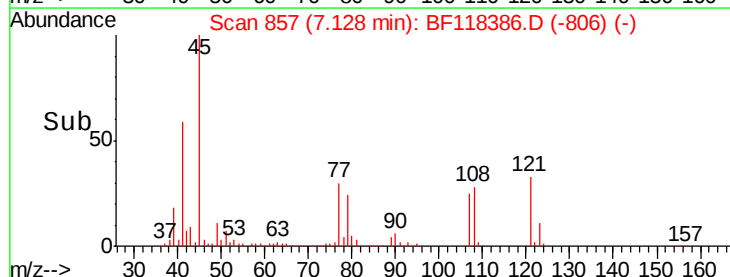
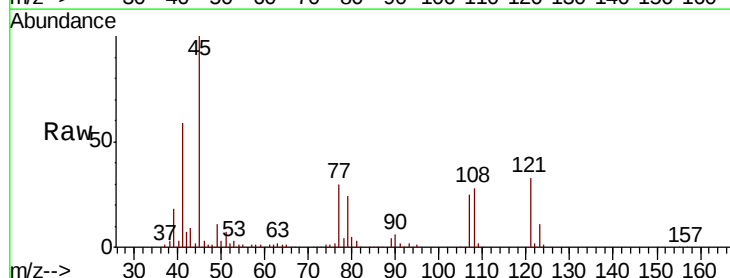
RT: 7.13 min Scan# 857

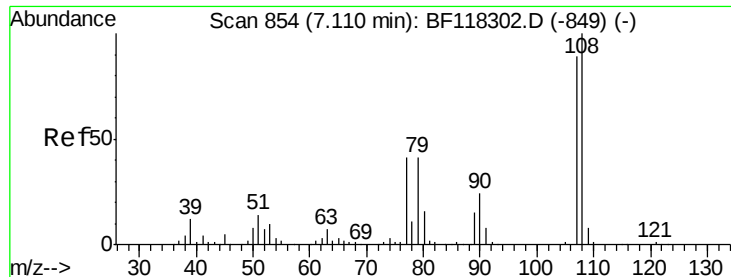
Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion:	45	Resp:	388400
Ion Ratio	Lower	Upper	
45	100		
77	30.2	1.2	41.2
79	24.4	0.0	37.0





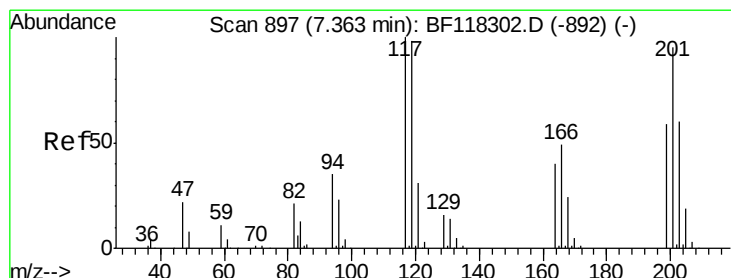
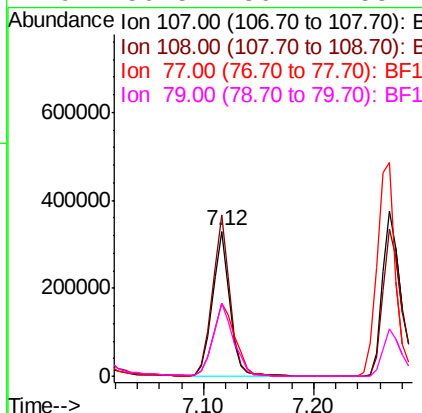
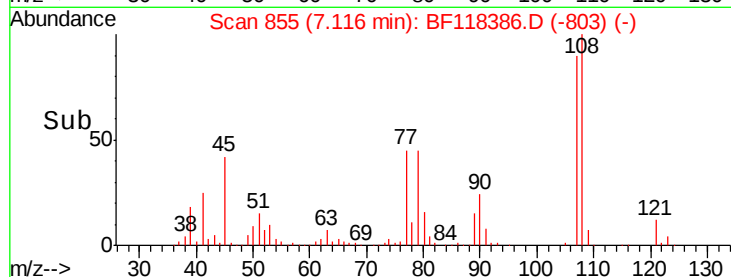
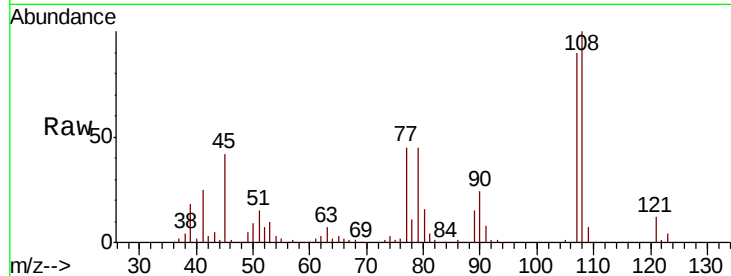
#17
2-Methylphenol
Concen: 45.426 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.7	134.5
77	50.2	37.2	55.8
79	50.5	36.7	55.1

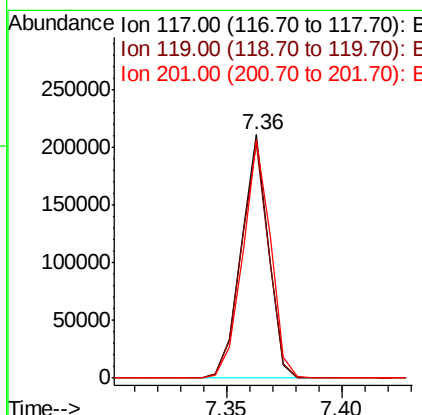
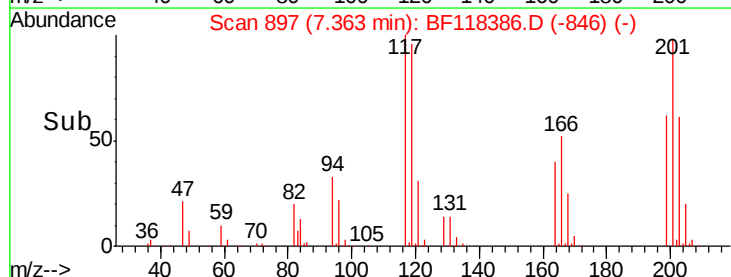
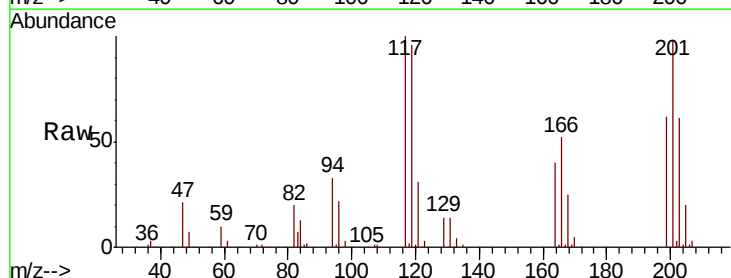
Manual Integrations
APPROVED

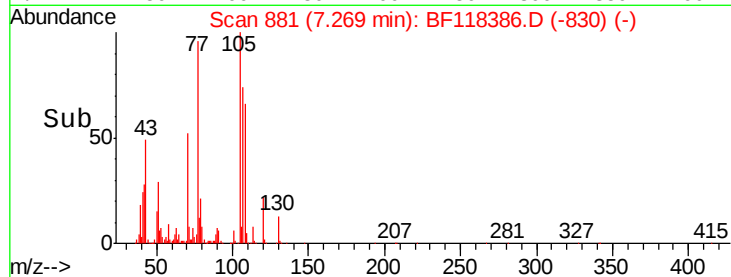
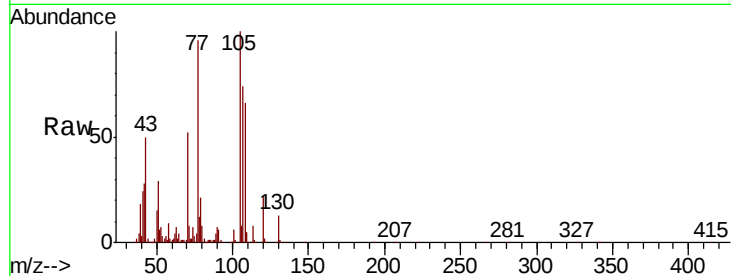
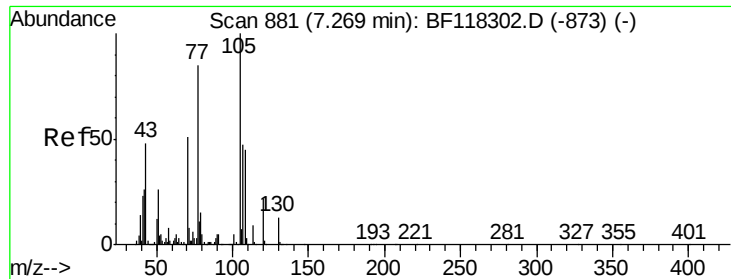
mohammad
12/31/2019 12:04:04 PM



#18
Hexachloroethane
Concen: 41.732 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.0	117.0
201	97.9	76.2	114.2





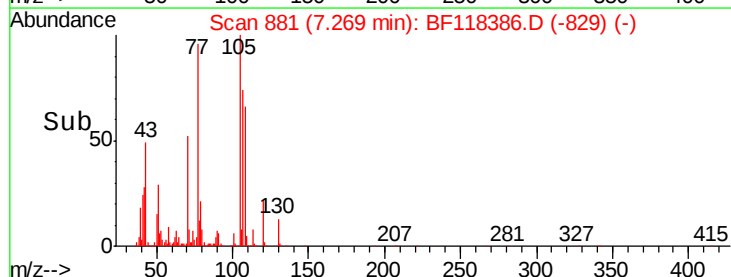
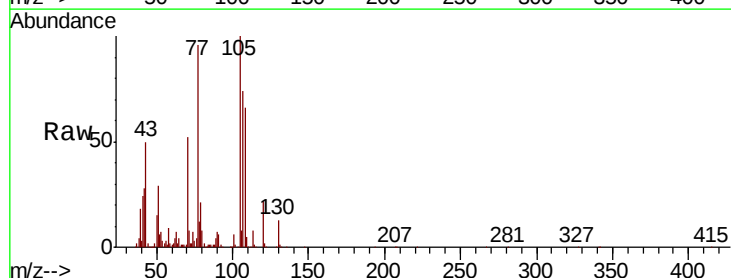
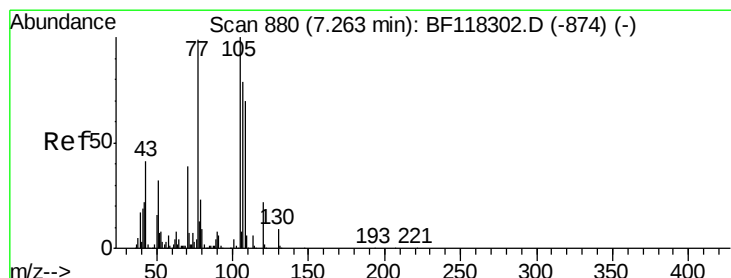
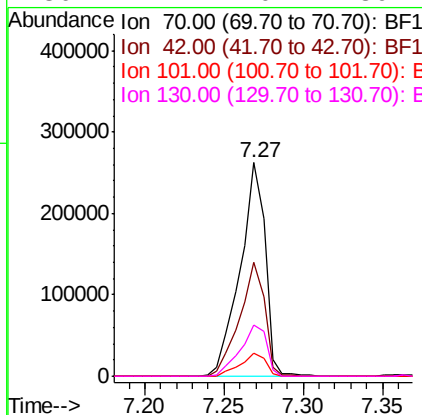
#19
n-Nitroso-di-n-propylamine
Concen: 44.258 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.3	41.1	61.7
101	10.6	8.3	12.5
130	24.2	20.1	30.1

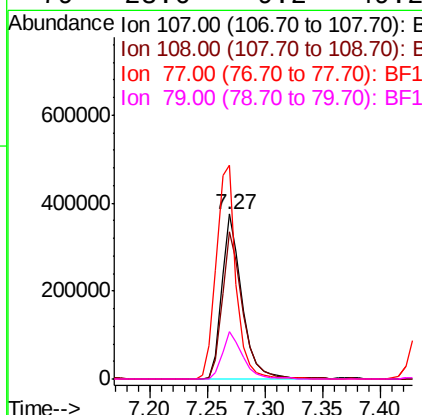
Manual Integrations
APPROVED

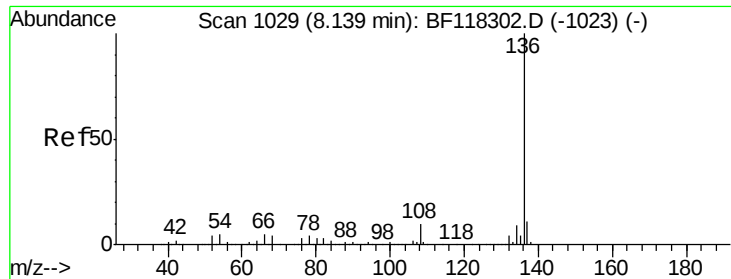
mohammad
12/31/2019 12:04:04 PM



#20
3+4-Methylphenols
Concen: 45.391 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.3	109.3
77	129.5	105.9	145.9
79	28.6	9.2	49.2





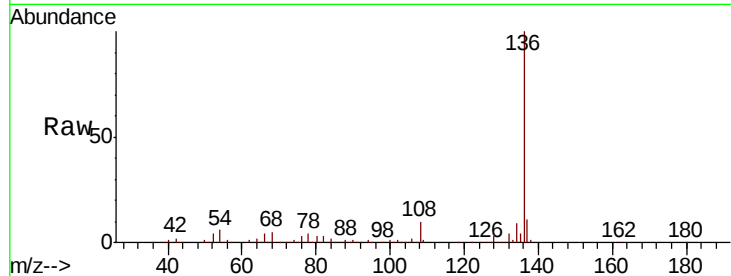
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

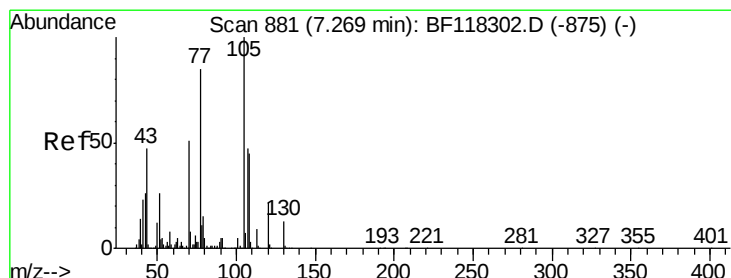
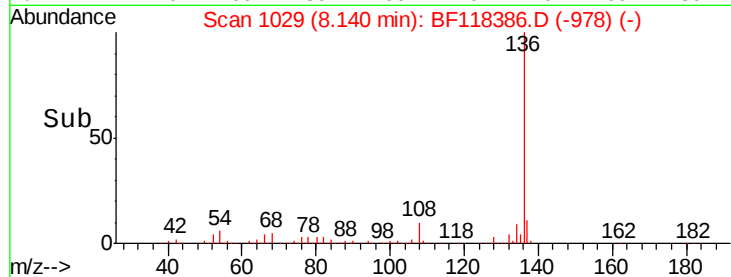
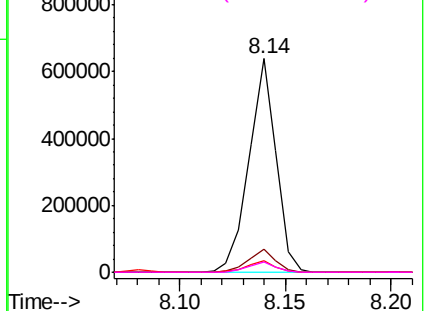
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.0		8.9	13.3	
54	5.5		4.2	6.4	
68	4.5		3.5	5.3	

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



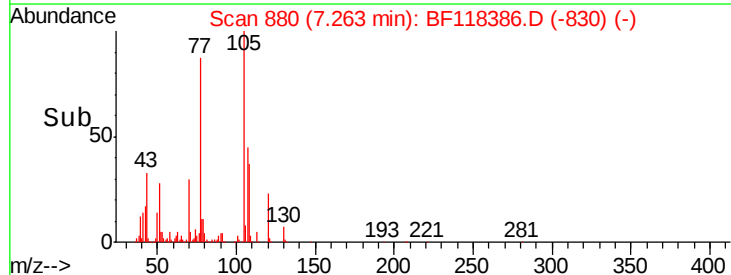
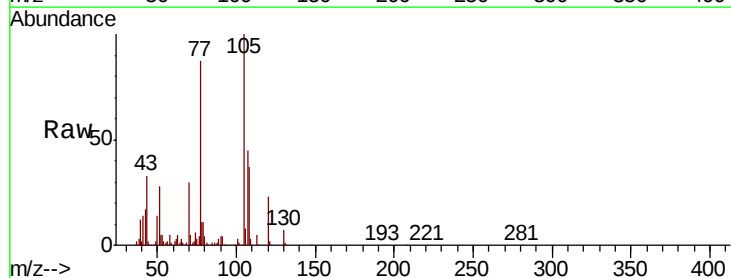
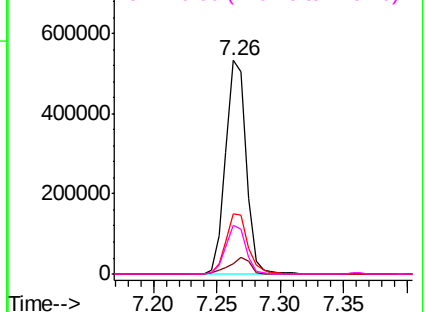
Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

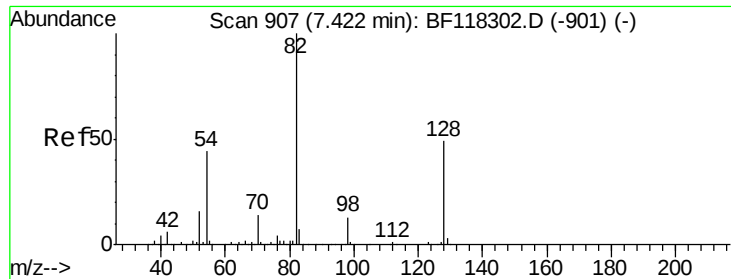


#22
Acetophenone
Concen: 43.008 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	5.0		6.6	9.8#	
51	28.1		20.6	30.8	
120	22.7		18.0	27.0	

Abundance Ion 105.00 (104.70 to 105.70): E
800000
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





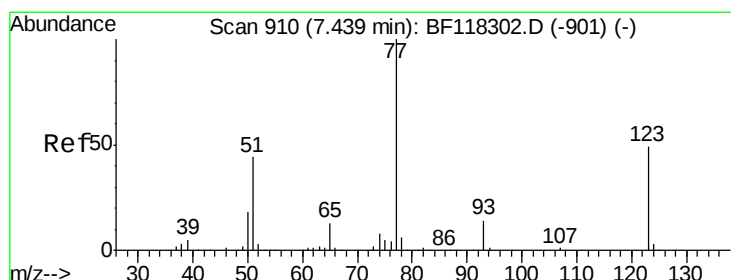
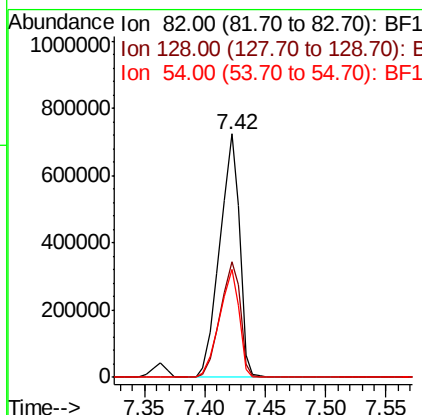
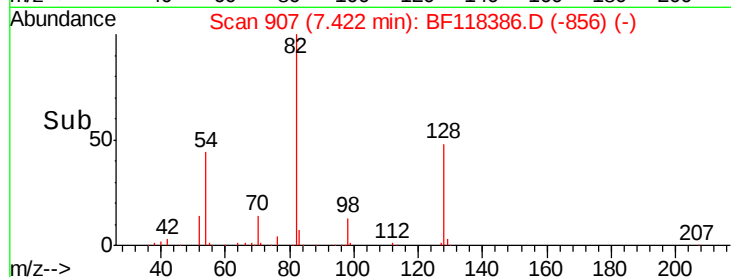
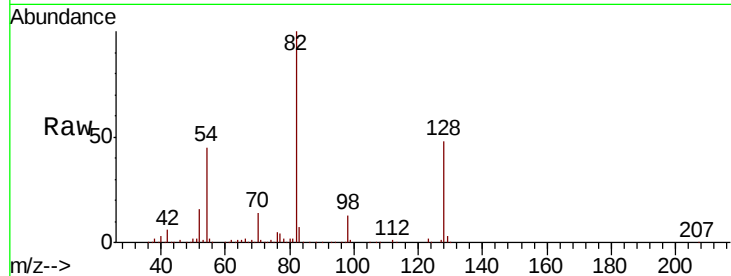
#23
Nitrobenzene-d5
Concen: 82.533 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampled :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	39.6	59.4
54	44.5	34.9	52.3

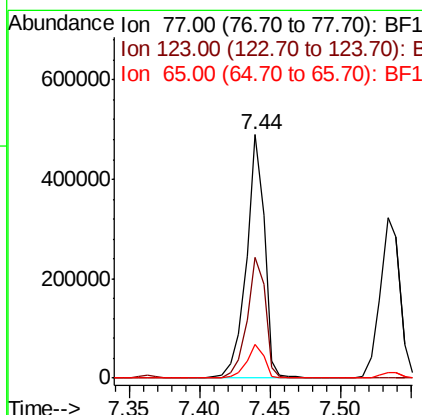
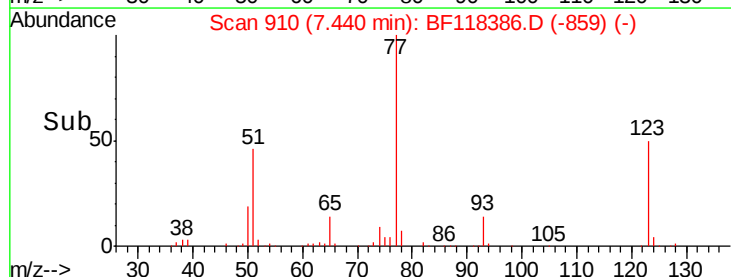
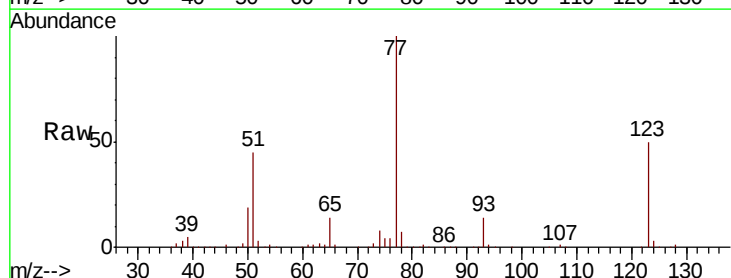
Manual Integrations
APPROVED

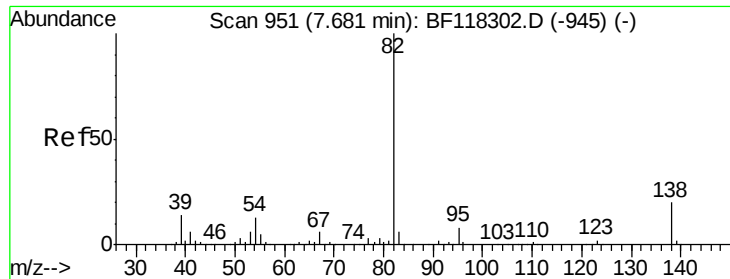
mohammad
12/31/2019 12:04:04 PM



#24
Nitrobenzene
Concen: 43.684 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.8	39.1	58.7
65	13.9	10.6	16.0





#25

Isophorone

Concen: 46.043 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

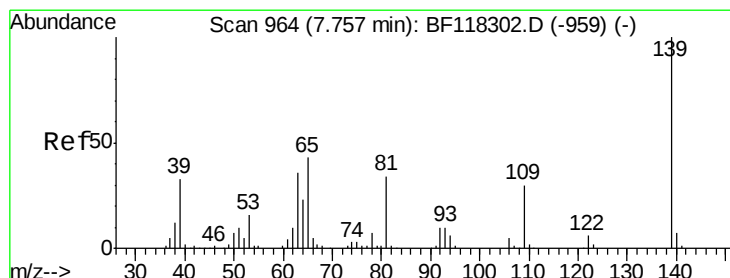
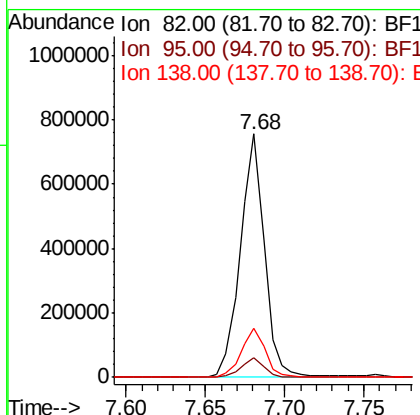
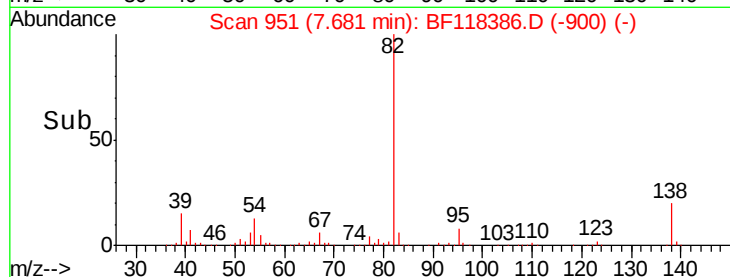
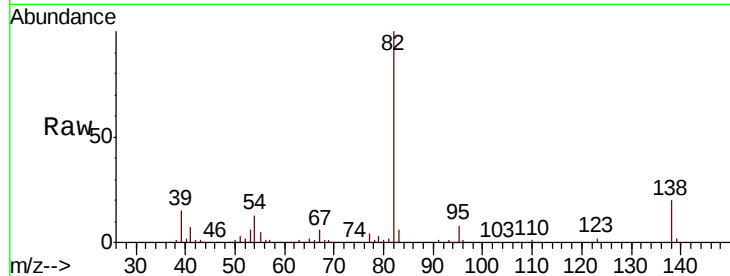
ClientSampleId :

SB-04MSD

Tot Ion	82	Resp	796990
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.9	16.2	24.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



#26

2-Nitrophenol

Concen: 47.645 ng

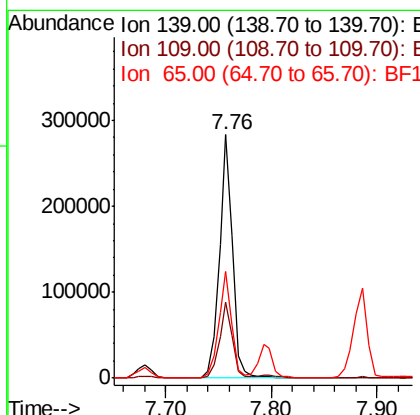
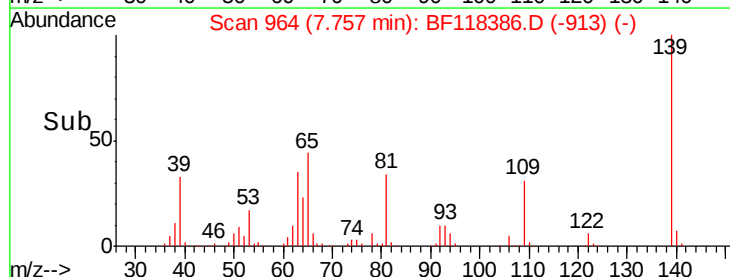
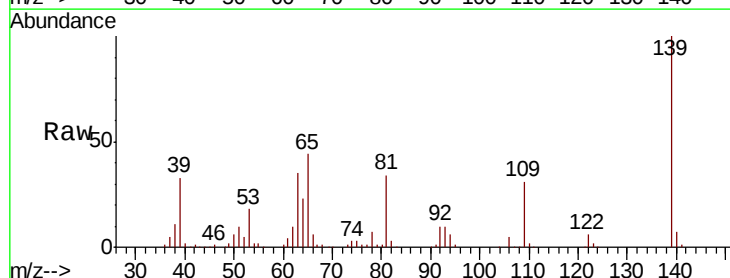
RT: 7.76 min Scan# 964

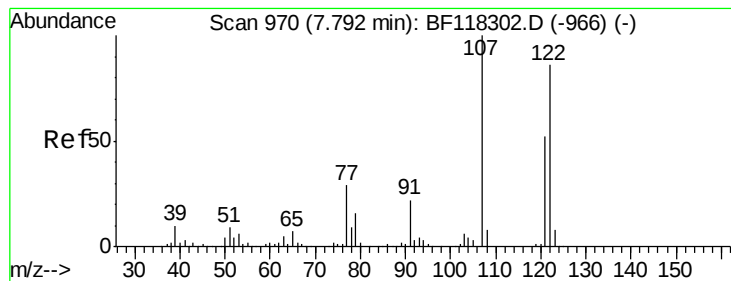
Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion	139	Resp	251080
Ion	Ratio	Lower	Upper
139	100		
109	31.2	24.1	36.1
65	44.0	34.6	52.0





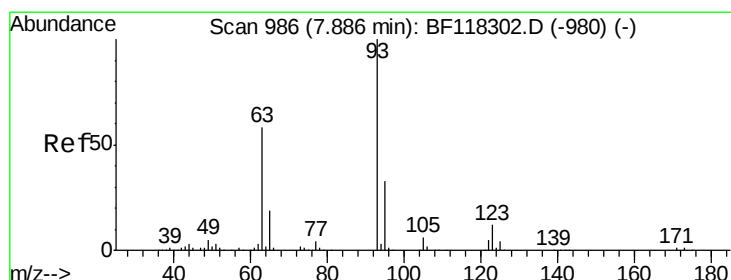
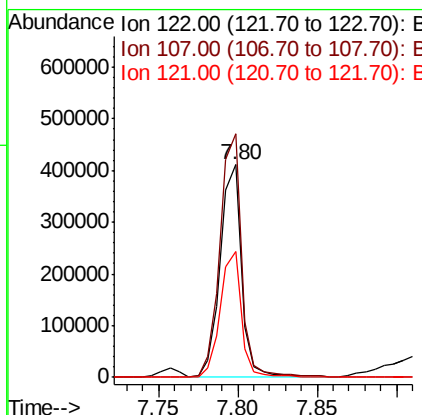
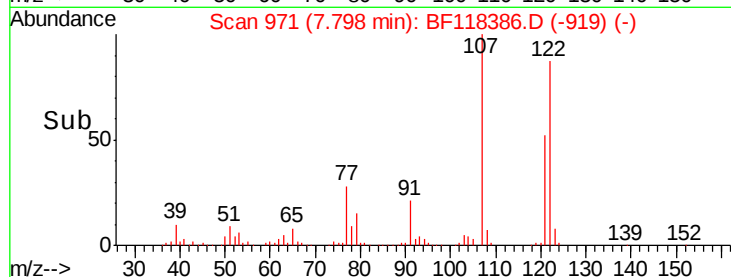
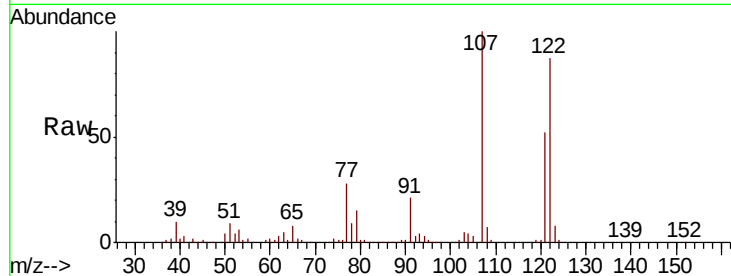
#27
2,4-Dimethylphenol
Concen: 53.325 ng
RT: 7.80 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	383412		
107	114.5	92.9	139.3	
121	59.4	47.9	71.9	

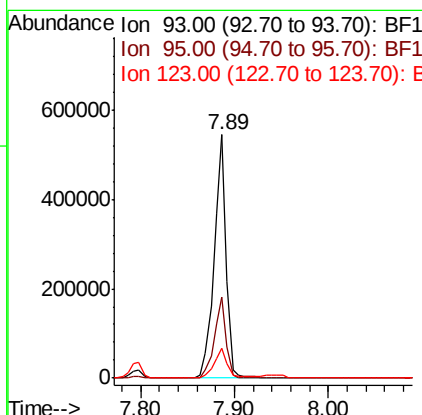
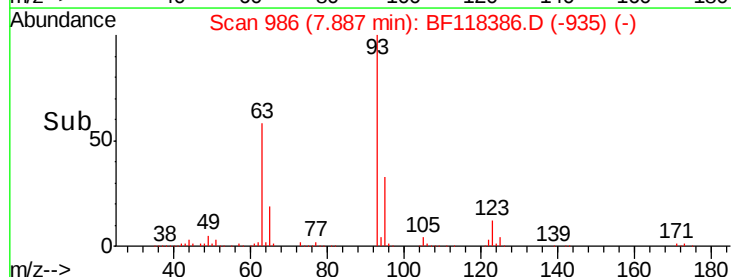
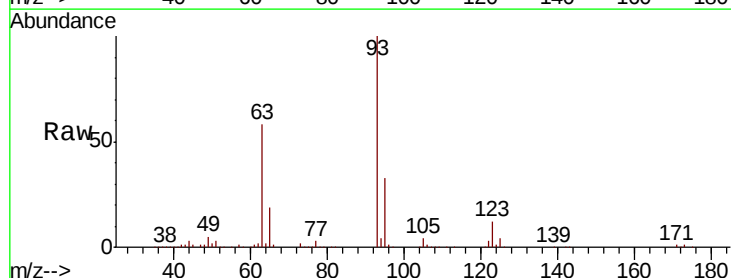
Manual Integrations
APPROVED

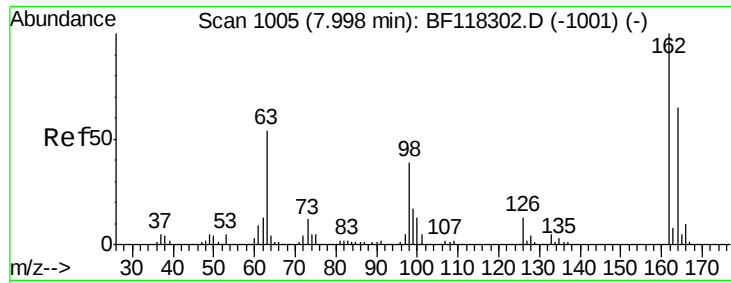
mohammad
12/31/2019 12:04:04 PM



#28
bis(2-Chloroethoxy)methane
Concen: 43.660 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	494250		
95	33.2	26.2	39.4	
123	12.1	9.8	14.8	





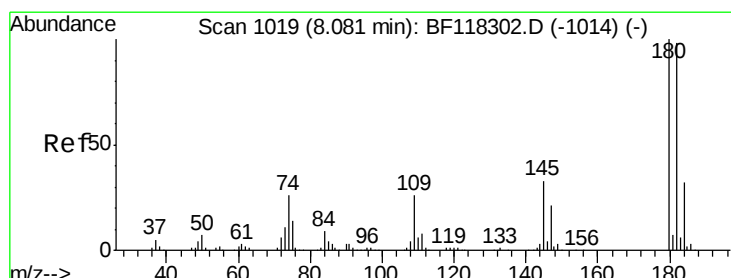
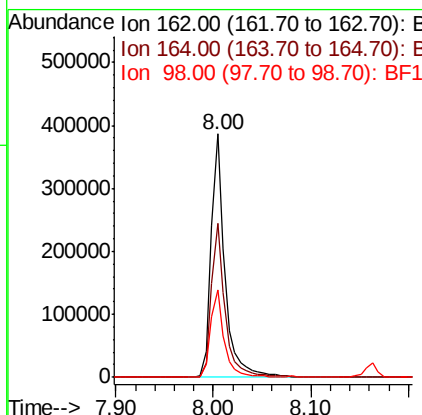
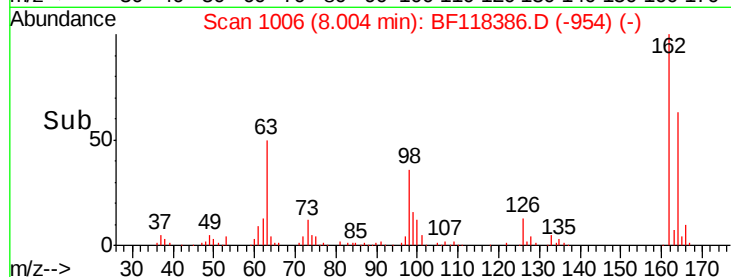
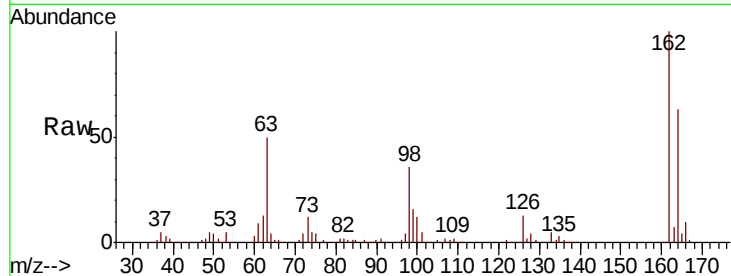
#29
2,4-Dichlorophenol
Concen: 46.073 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampled :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	381292		
164	63.3	45.1	85.1	
98	36.0	18.6	58.6	

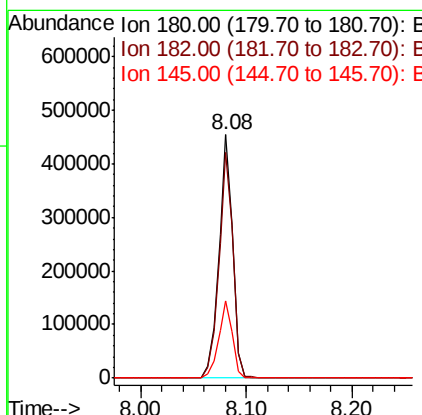
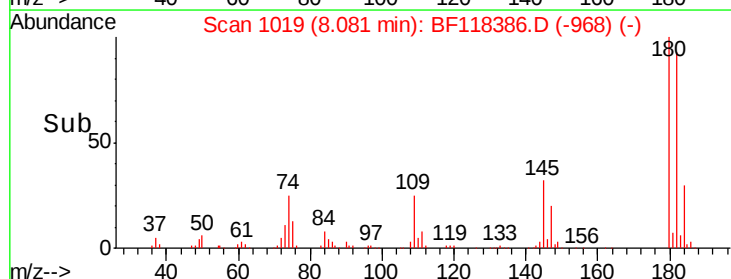
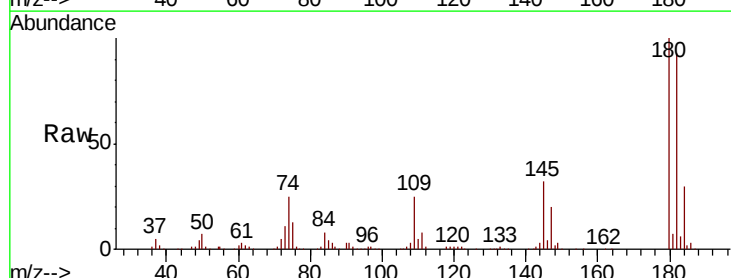
Manual Integrations
APPROVED

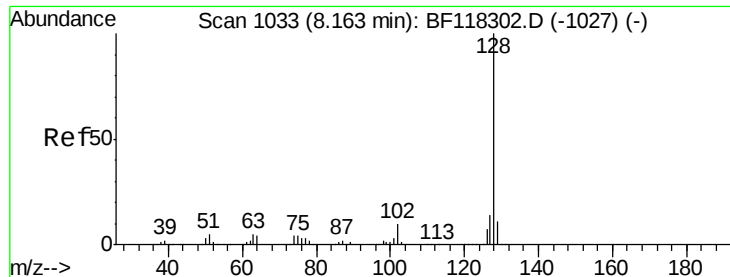
mohammad
12/31/2019 12:04:04 PM



#30
1,2,4-Trichlorobenzene
Concen: 43.532 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	419666		
182	92.8	78.3	117.5	
145	31.7	26.7	40.1	





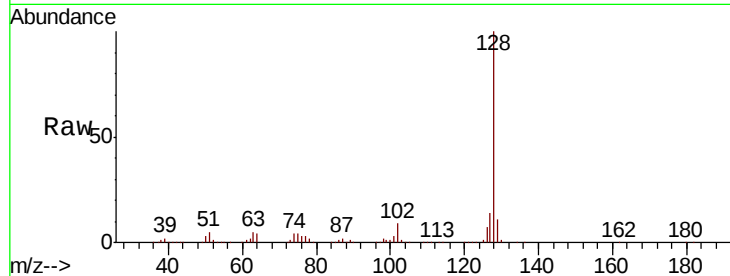
#31
Naphthalene
Concen: 44.804 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.6	11.0	16.4

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

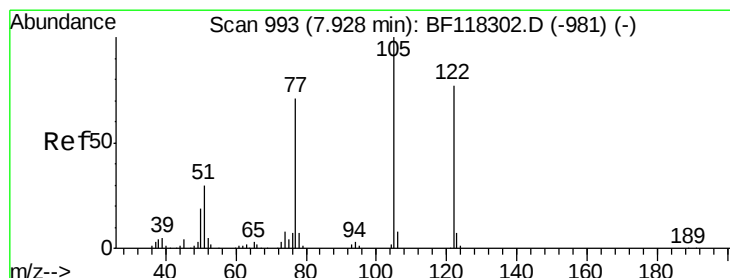
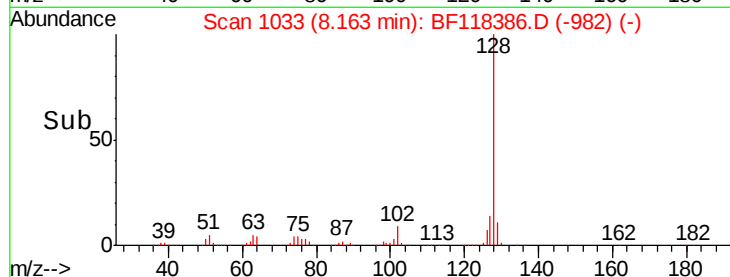
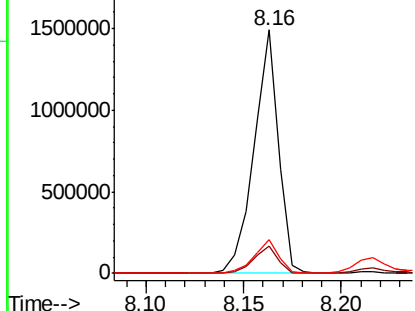


Abundance

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: 39.949 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

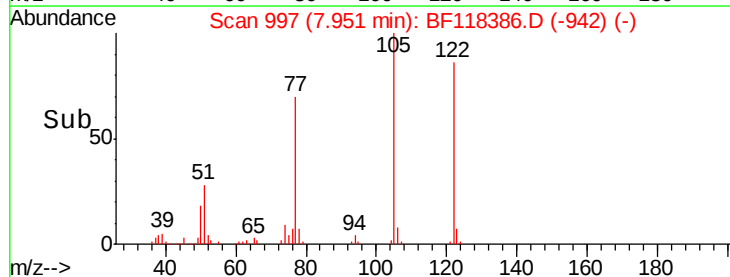
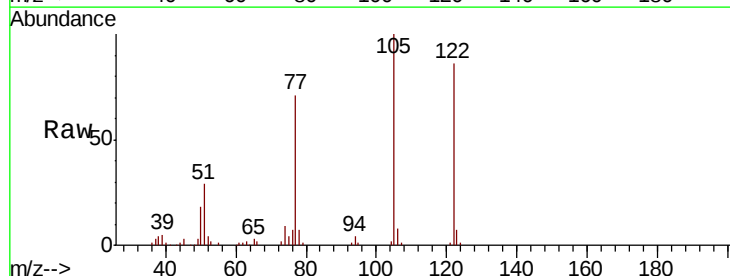
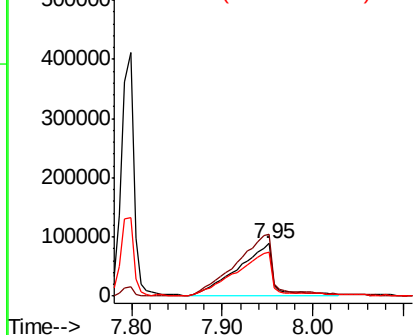
Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.4	106.8	146.8
77	82.9	70.4	110.4

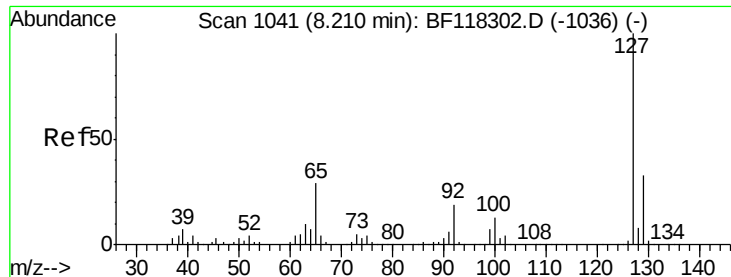
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





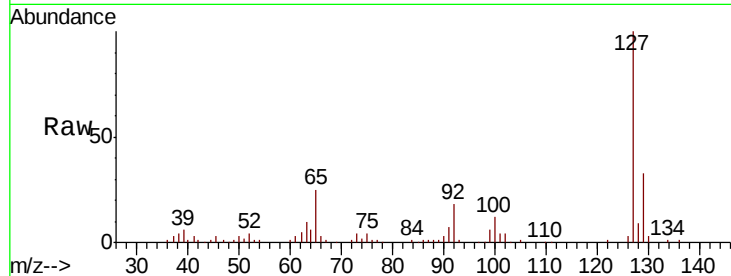
#33
4-Chloroaniline
Concen: 11.523 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		142627		
129	33.0	26.5	39.7		
65	25.2	22.8	34.2		
92	18.3	15.5	23.3		

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



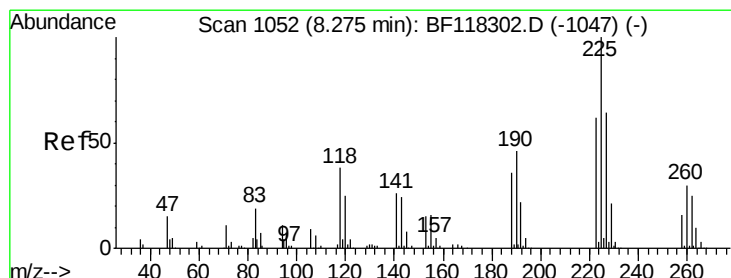
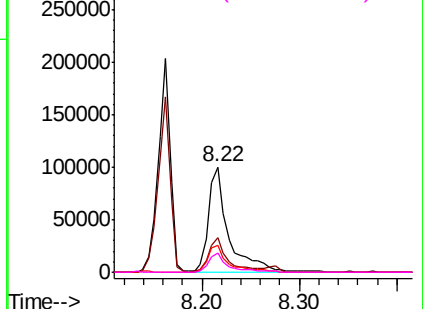
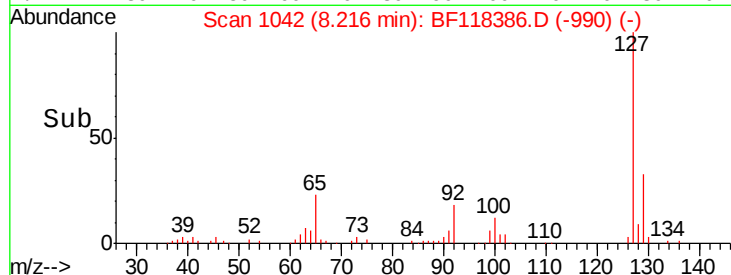
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

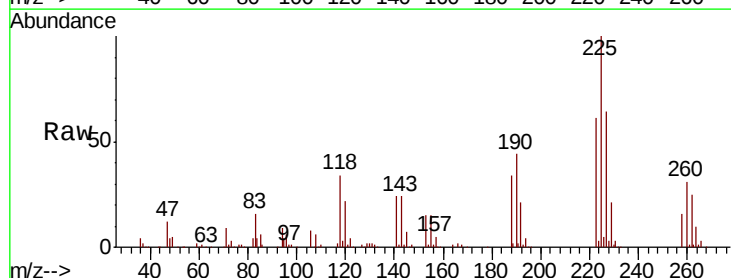
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 41.971 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		240854		
223	61.0	49.5	74.3		
227	64.3	51.0	76.4		

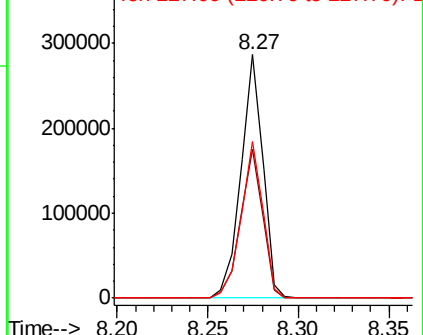
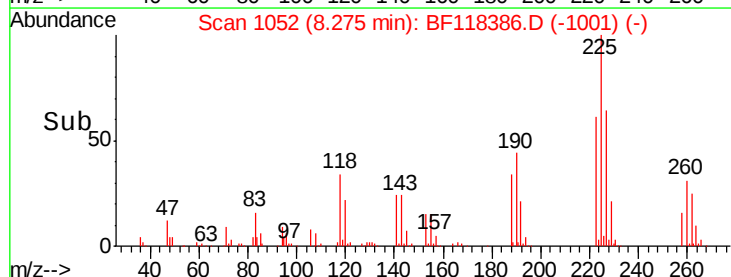


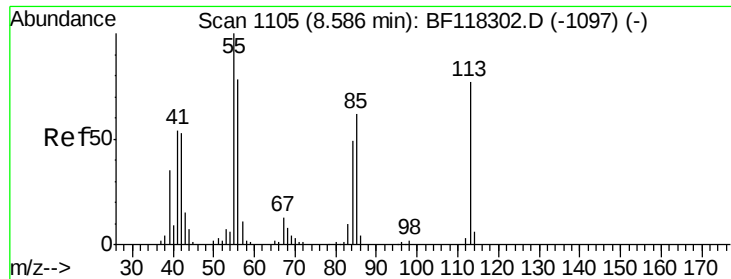
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





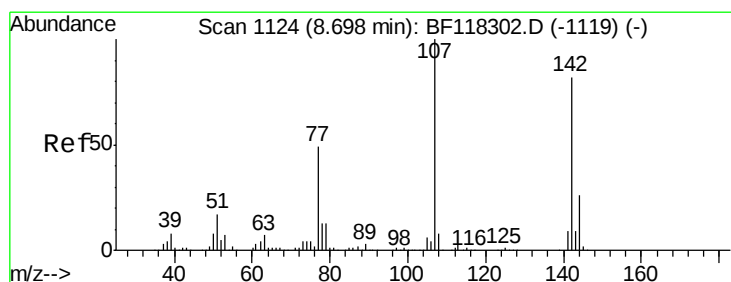
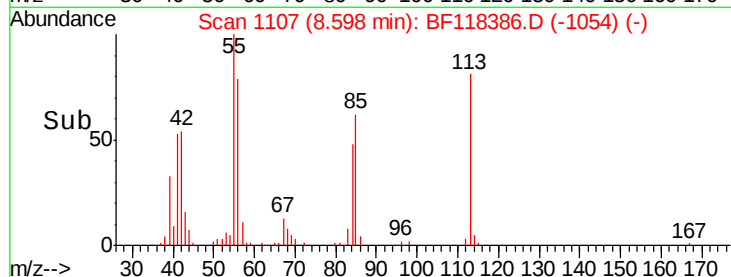
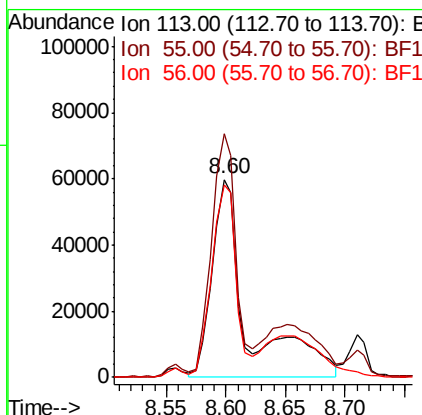
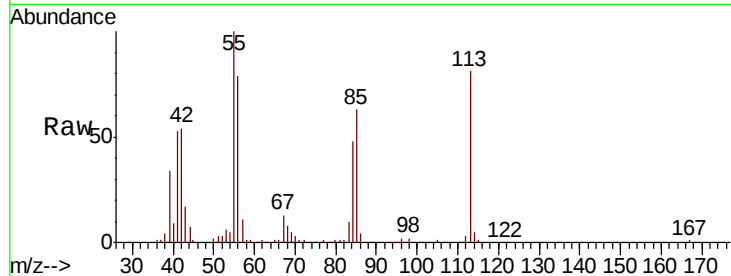
#35
 Caprolactam
 Concen: 47.655 ng/ml
 RT: 8.60 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	123.0	109.8	149.8
56	97.3	81.7	121.7

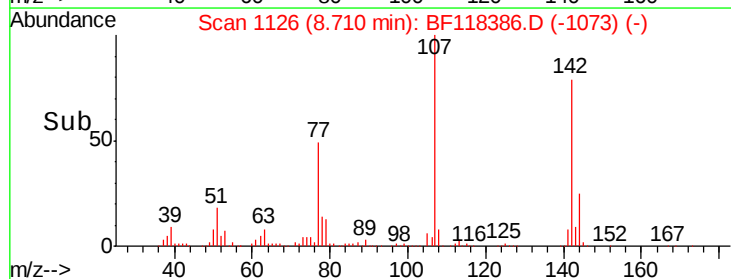
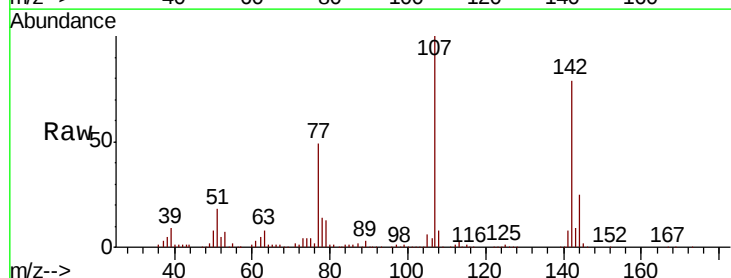
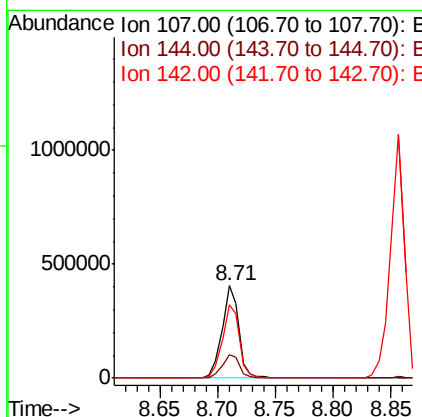
Manual Integrations
 APPROVED

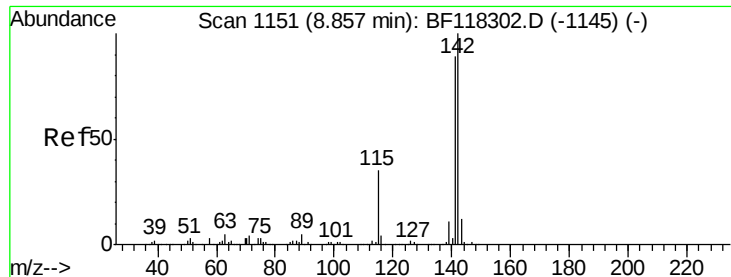
mohammad
 12/31/2019 12:04:04 PM



#36
 4-Chloro-3-methylphenol
 Concen: 46.152 ng/ml
 RT: 8.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.2	31.8
142	79.5	65.4	98.2





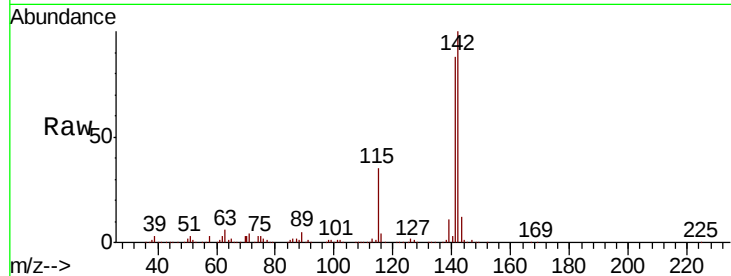
#37
2-Methylnaphthalene
Concen: 46.161 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.2	106.8
115	34.8	28.0	42.0

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

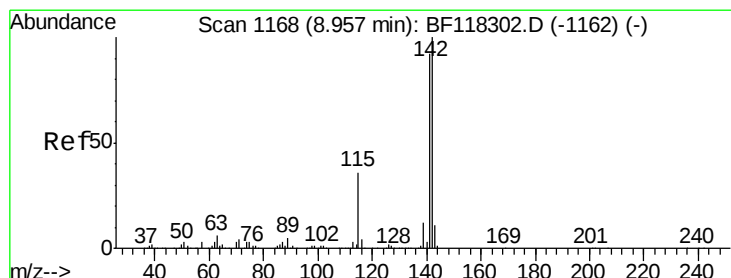
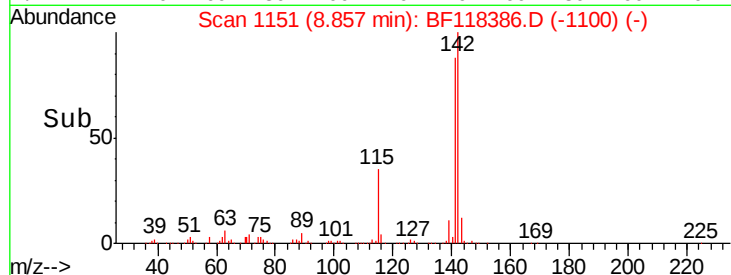
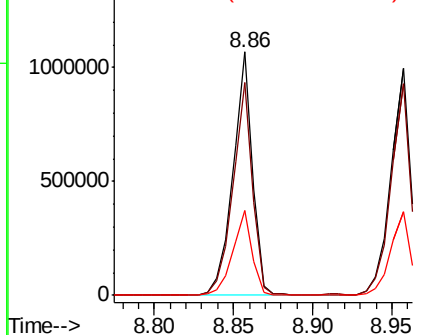


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 45.731 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

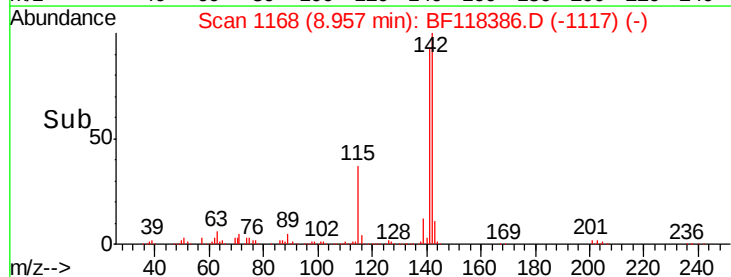
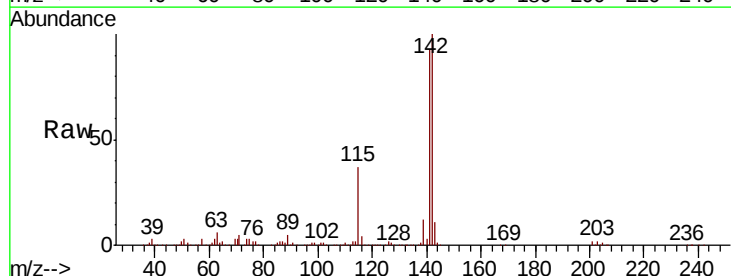
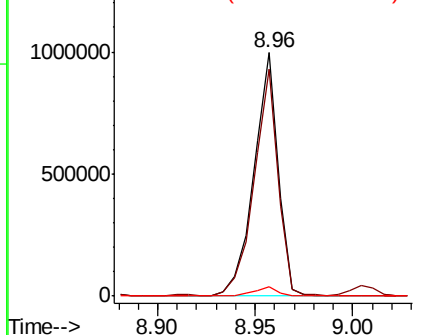
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.4	110.2
116	3.8	2.9	4.3

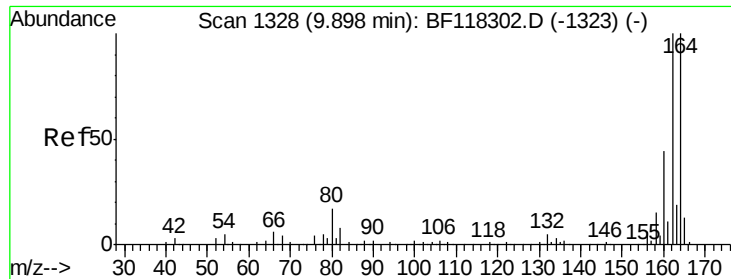
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





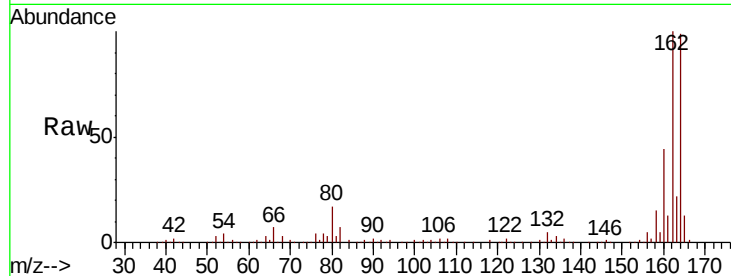
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.0	120.0
160	44.7	34.8	52.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

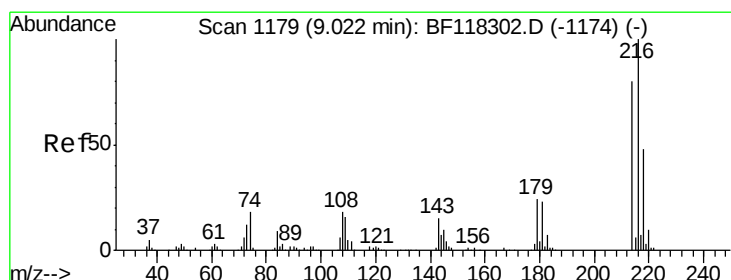
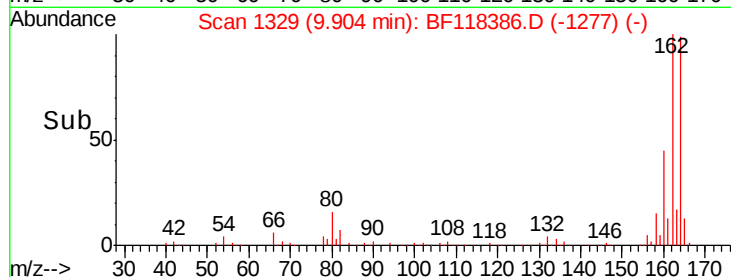
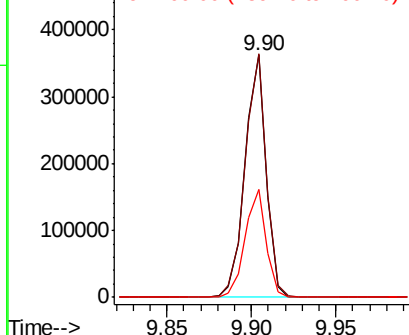


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.928 ng
RT: 9.03 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.3	94.9
179	23.1	18.9	28.3
108	19.8	15.0	22.6

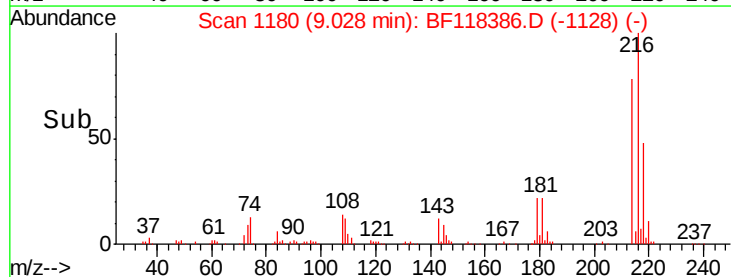
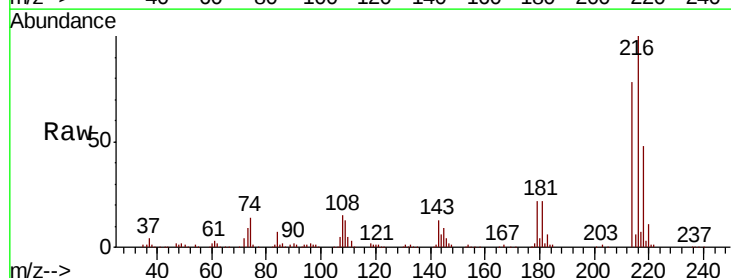
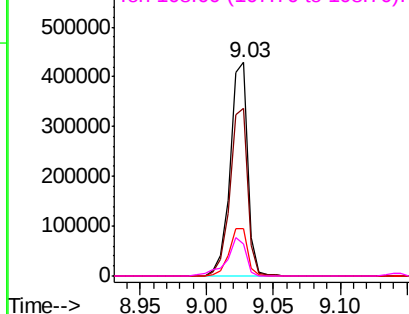
Abundance

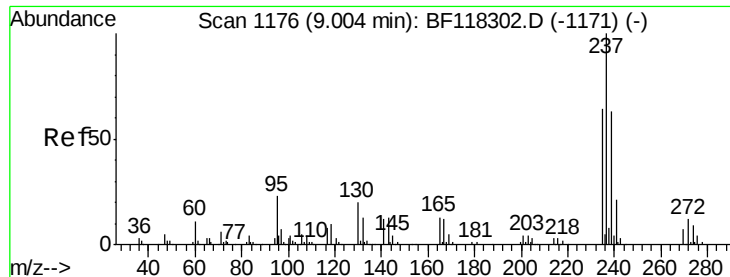
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 73.445 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

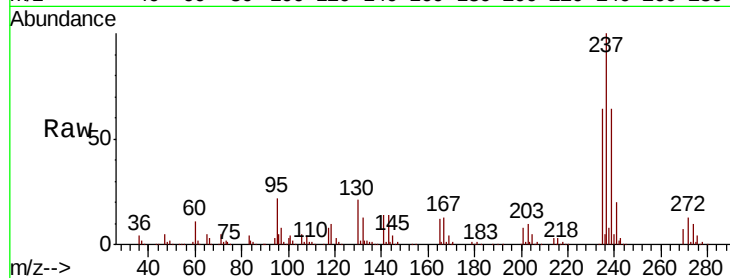
ClientSampleId :

SB-04MSD

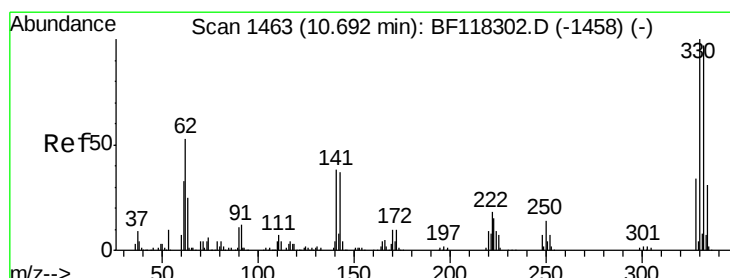
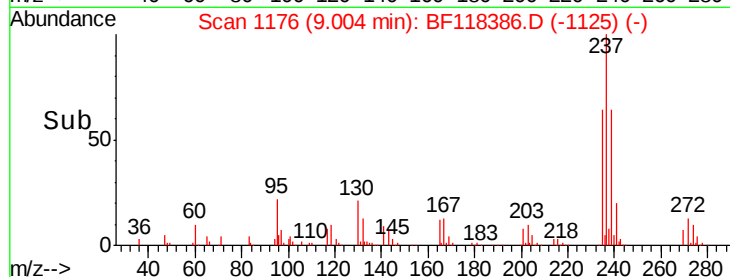
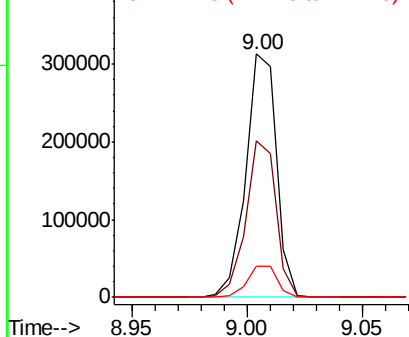
Tot Ion:	237	Resp:	291607
Ion Ratio	Lower	Upper	
237	100		
235	64.5	43.8	83.8
272	12.9	0.0	31.7

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 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: 125.126 ng

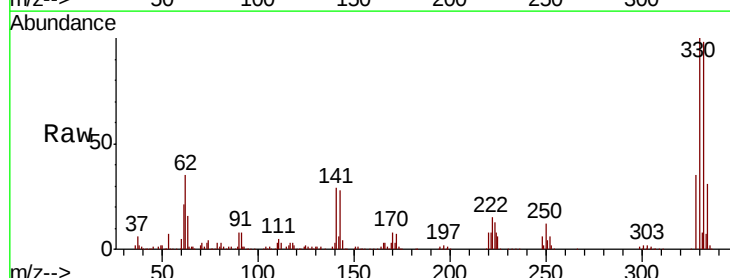
RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

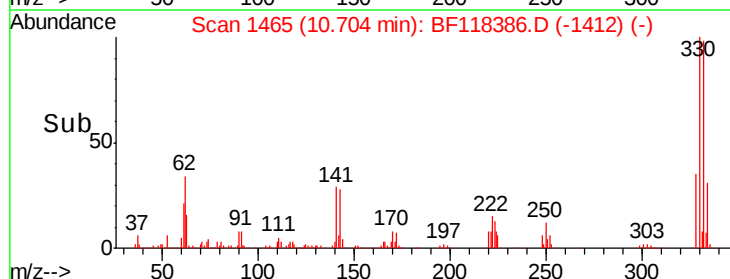
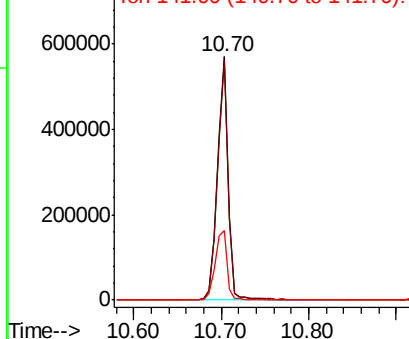
Lab File: BF118386.D

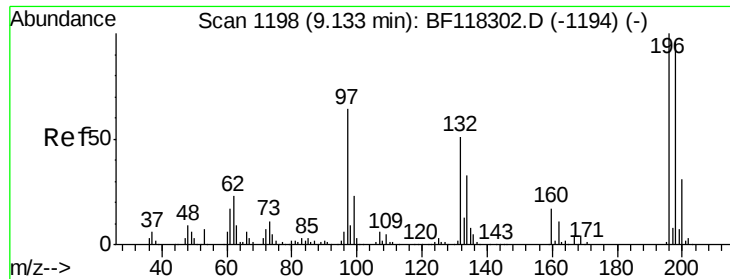
Acq: 30 Dec 2019 17:41

Tgt Ion:	330	Resp:	490469
Ion Ratio	Lower	Upper	
330	100		
332	97.5	76.6	114.8
141	32.1	26.0	39.0



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





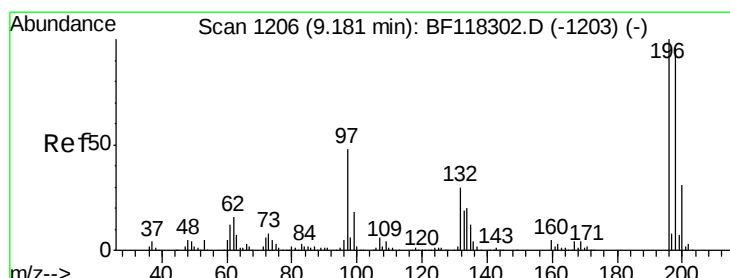
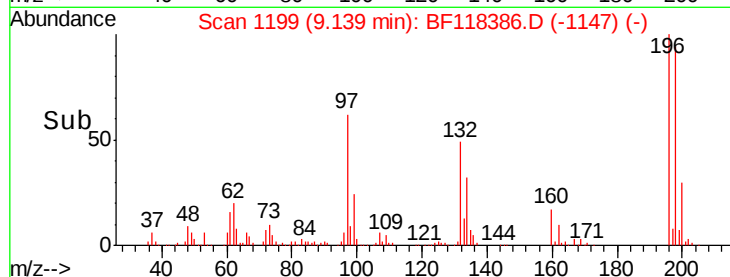
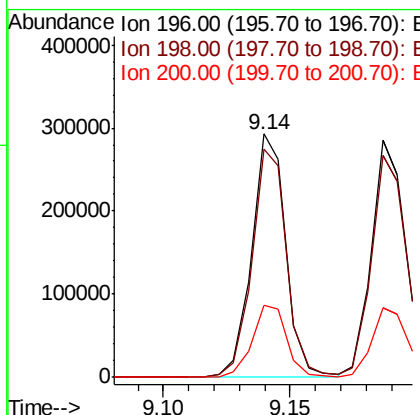
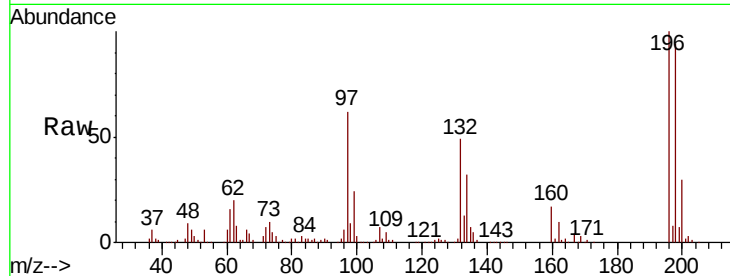
#43
2,4,6-Trichlorophenol
Concen: 42.924 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	273482		
198	93.6	76.7	115.1	
200	29.6	24.8	37.2	

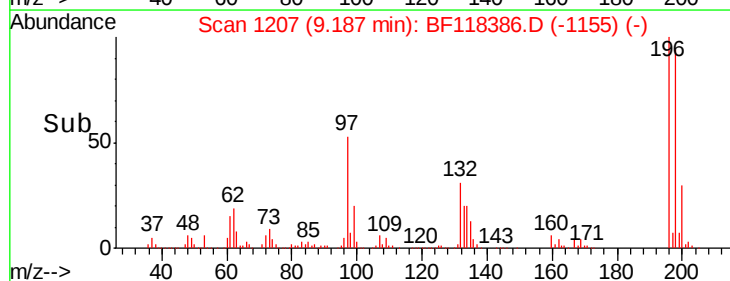
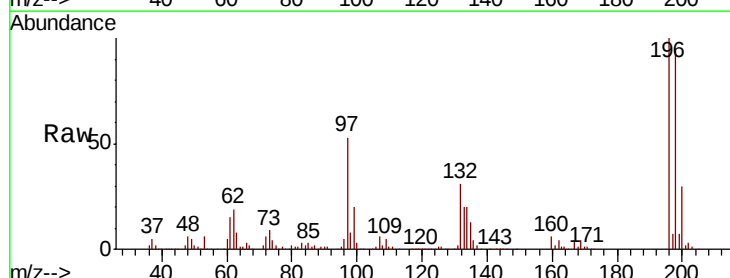
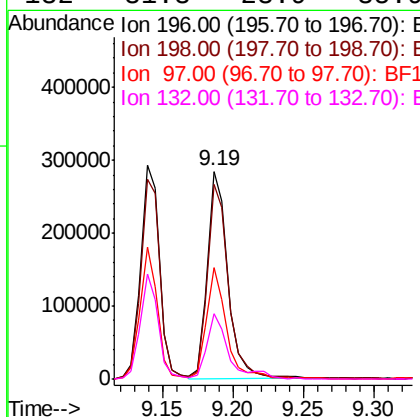
Manual Integrations
APPROVED

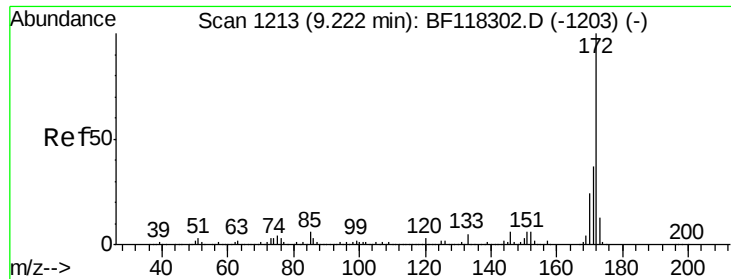
mohammad
12/31/2019 12:04:04 PM



#44
2,4,5-Trichlorophenol
Concen: 43.921 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	287864		
198	93.7	77.0	115.4	
97	53.4	38.9	58.3	
132	31.3	23.9	35.9	





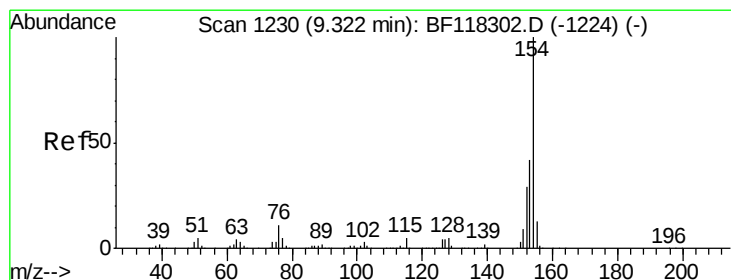
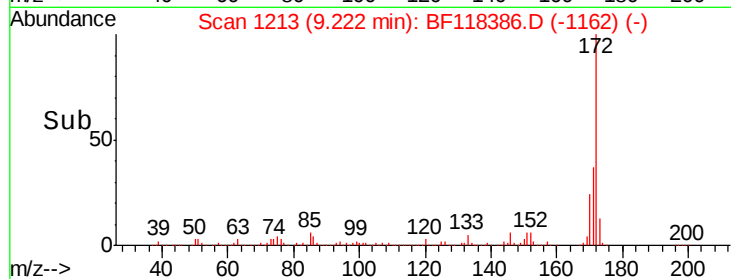
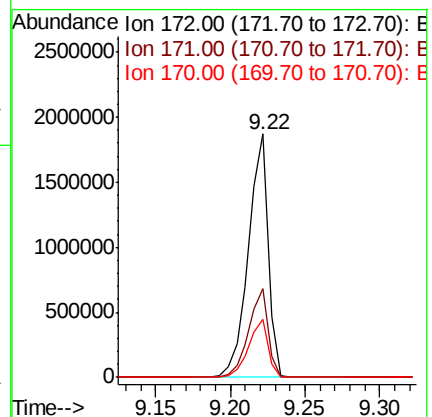
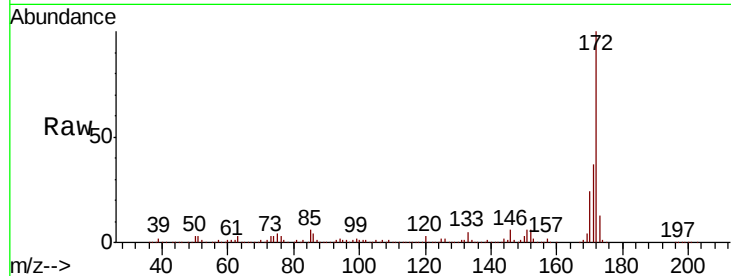
#45
2-Fluorobiphenyl
Concen: 82.773 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.0	19.2	28.8

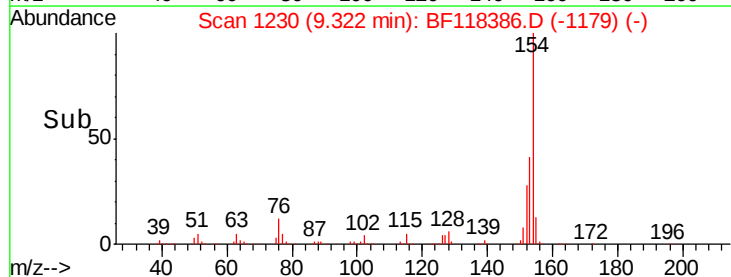
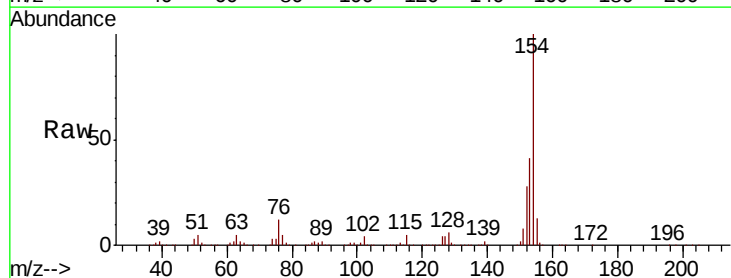
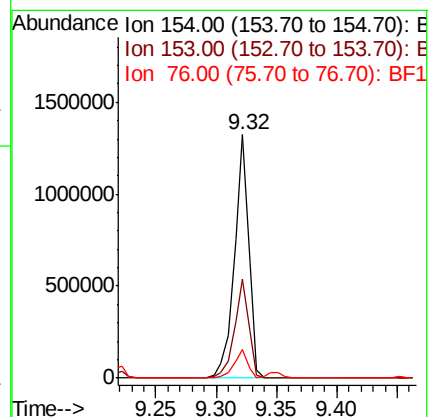
Manual Integrations
APPROVED

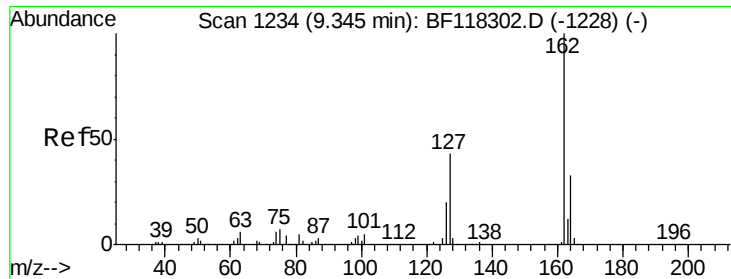
mohammad
12/31/2019 12:04:04 PM



#46
1,1'-Biphenyl
Concen: 43.580 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.8	61.8
76	11.7	0.0	30.9





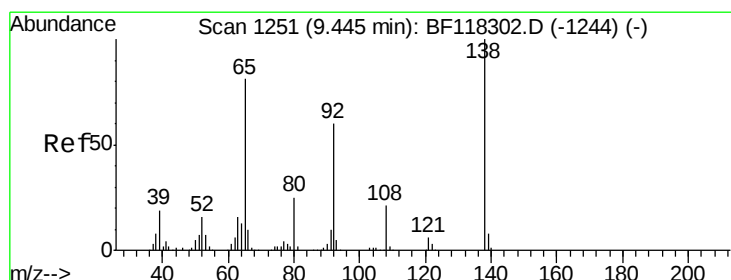
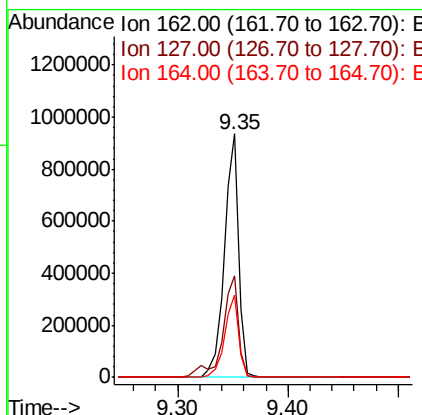
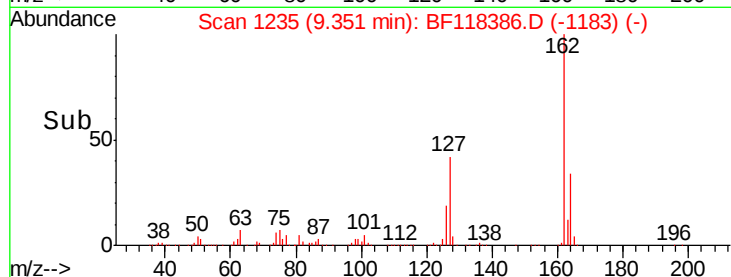
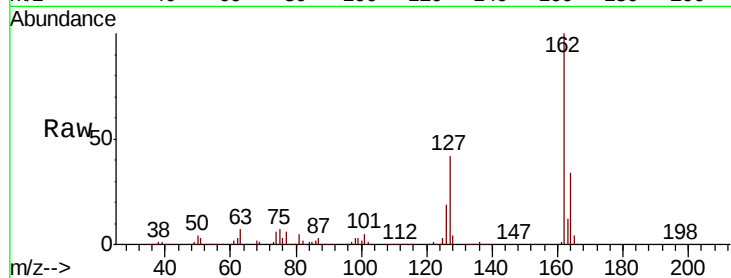
#47
 2-Chloronaphthalene
 Concen: 41.657 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion:	162	Resp:	841717
Ion Ratio	Lower	Upper	
162	100		
127	41.9	35.0	52.4
164	33.7	26.6	40.0

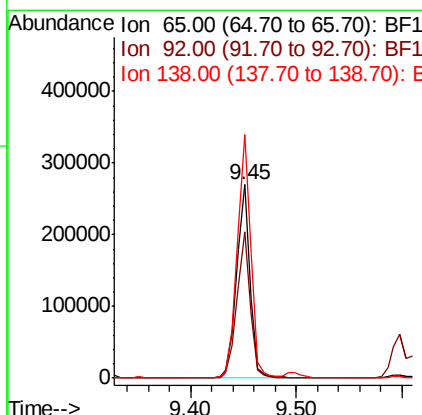
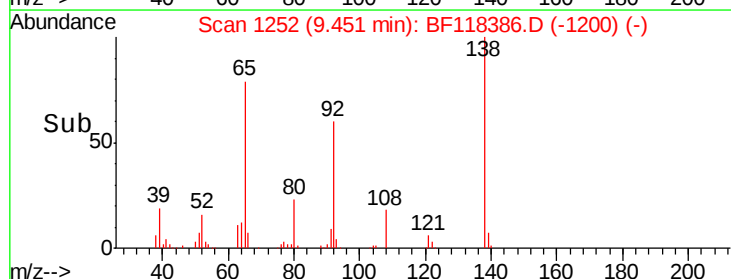
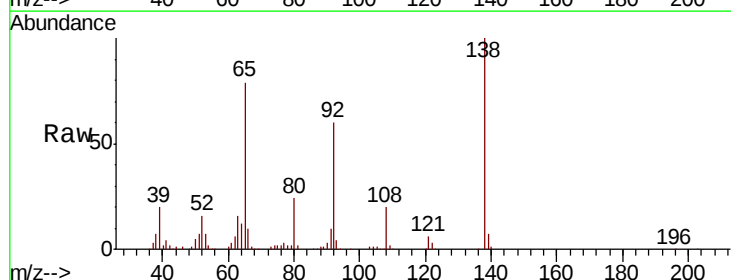
Manual Integrations
 APPROVED

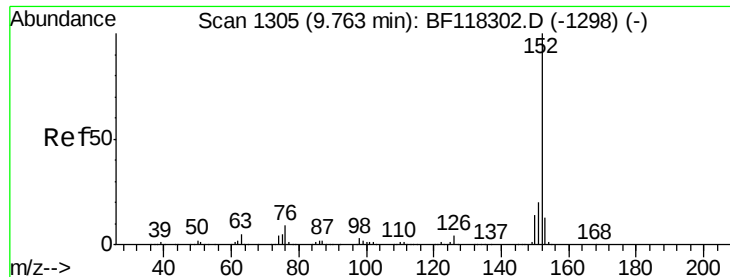
mohammad
 12/31/2019 12:04:04 PM



#48
 2-Nitroaniline
 Concen: 41.087 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion:	65	Resp:	234491
Ion Ratio	Lower	Upper	
65	100		
92	75.3	58.7	88.1
138	125.8	98.5	147.7





#49

Acenaphthylene

Concen: 43.978 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

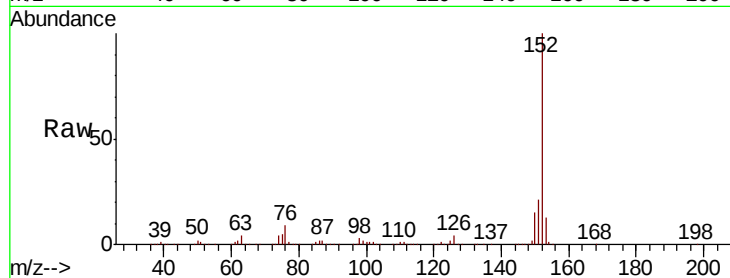
ClientSampleId :

SB-04MSD

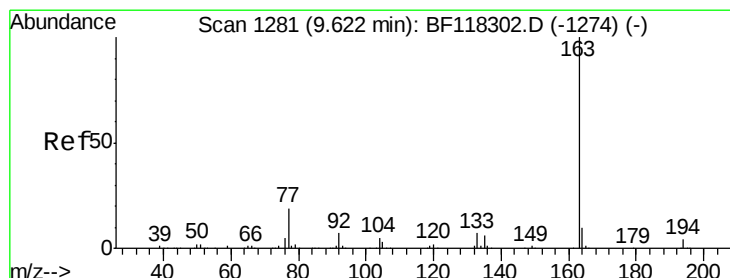
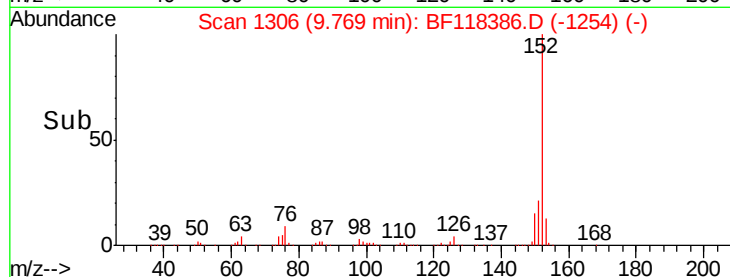
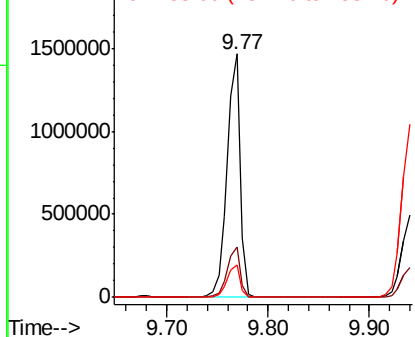
Tot Ion:	152	Resp:	1317902
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2
153	13.3	10.5	15.7

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



Abundance Ion 152.00 (151.70 to 152.70): E
2000000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.886 ng

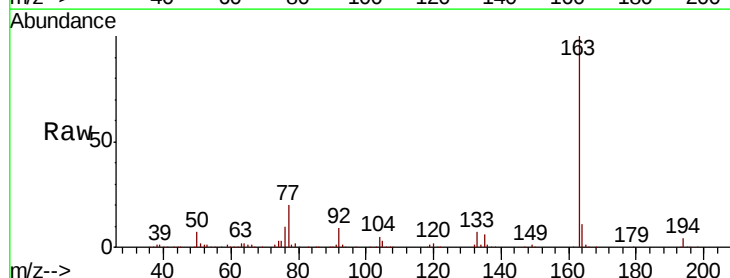
RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

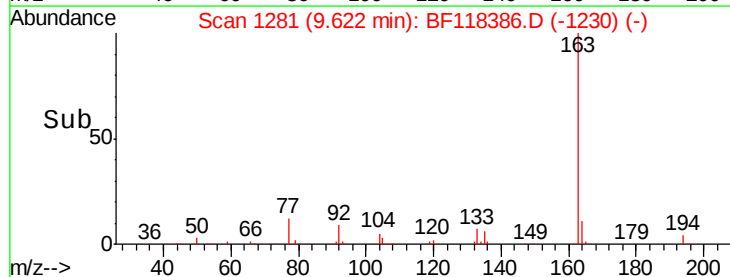
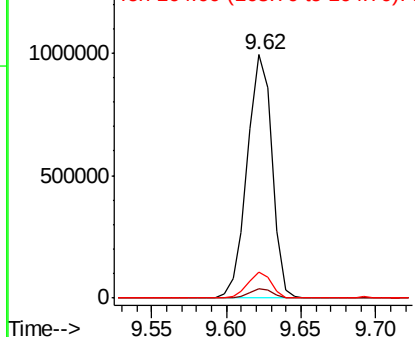
Lab File: BF118386.D

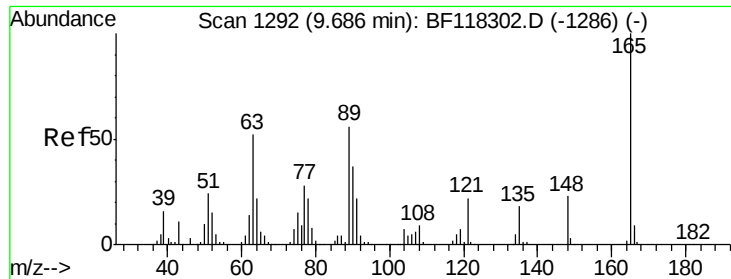
Acq: 30 Dec 2019 17:41

Tgt Ion:	163	Resp:	1140948
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.8	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
1000000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





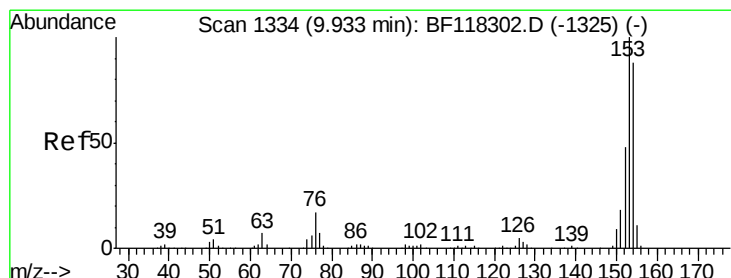
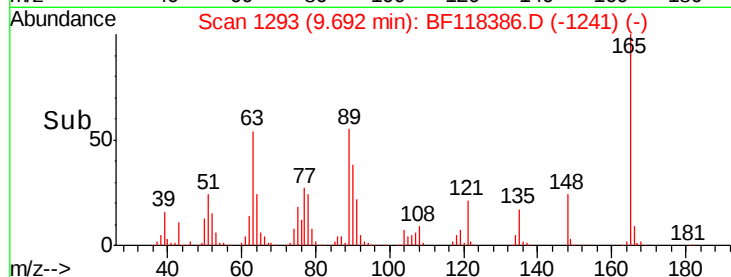
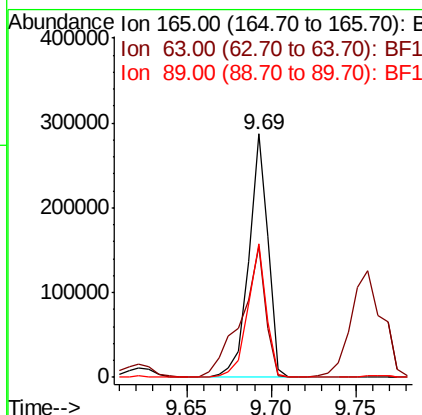
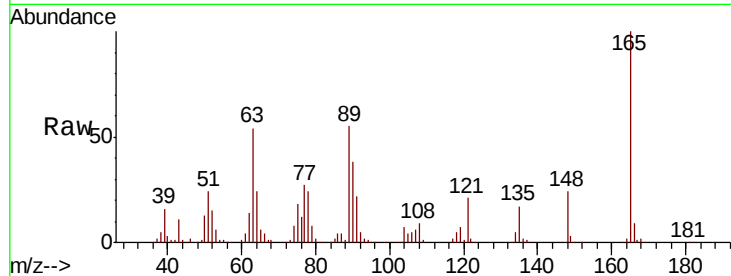
#51
 2,6-Dinitrotoluene
 Concen: 44.399 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.7	42.2	63.4	
89	55.0	44.4	66.6	

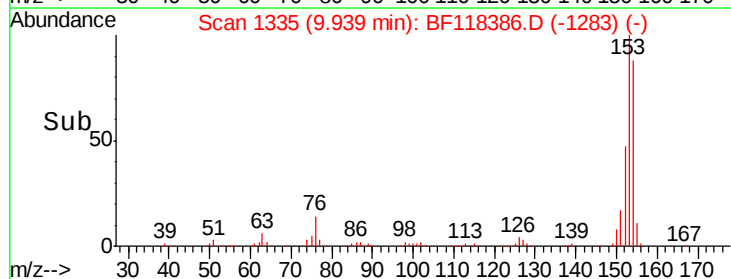
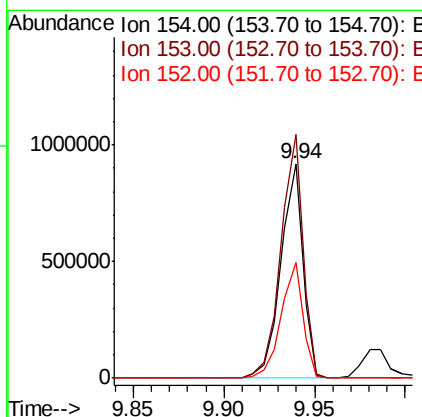
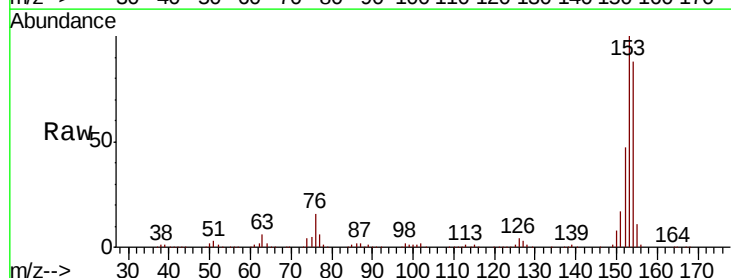
Manual Integrations
 APPROVED

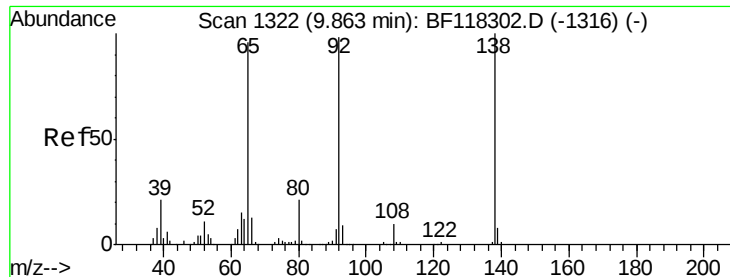
mohammad
 12/31/2019 12:04:04 PM



#52
 Acenaphthene
 Concen: 42.905 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.7	90.6	136.0	
152	54.0	43.1	64.7	





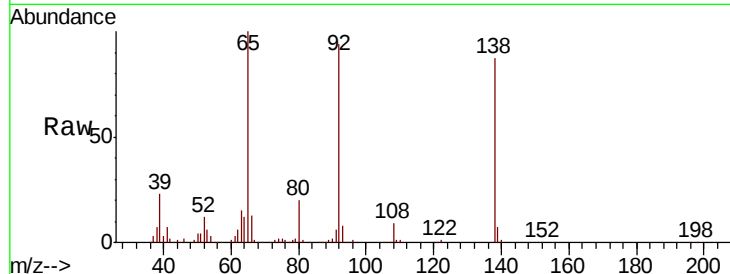
#53
3-Nitroaniline
Concen: 19.748 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	7.8	11.8
92	107.5	78.2	117.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

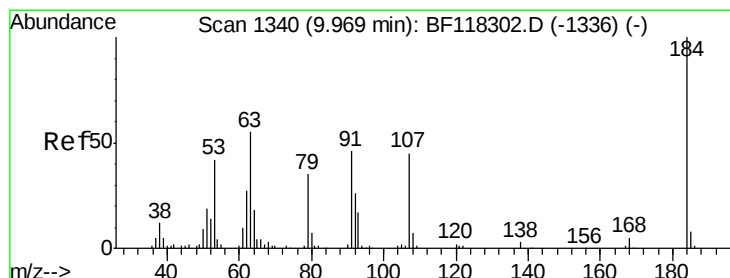
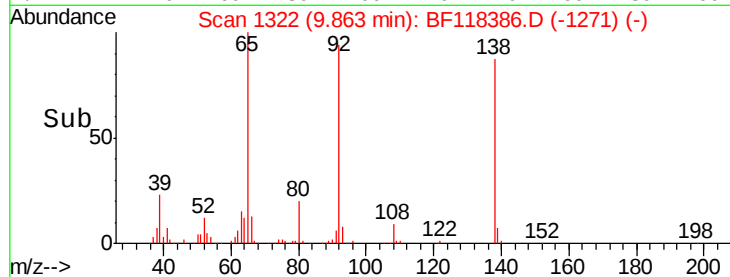
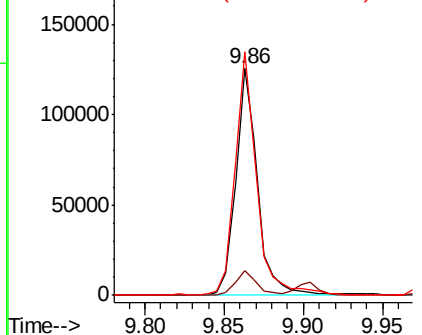


Abundance

Ion 138.00 (137.70 to 138.70): E

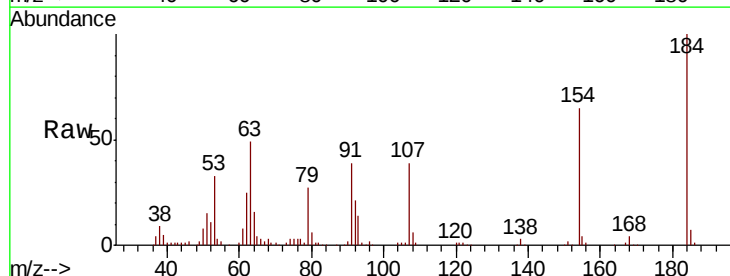
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 81.961 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.8	48.8	73.2
154	64.7	55.0	82.4

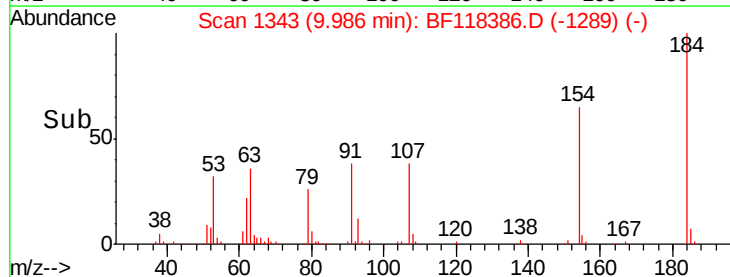
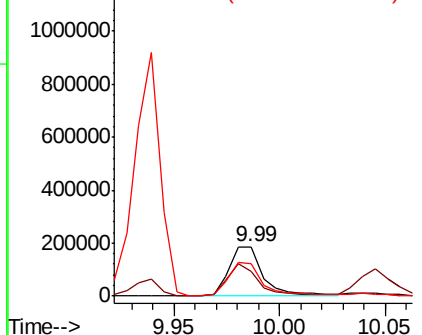


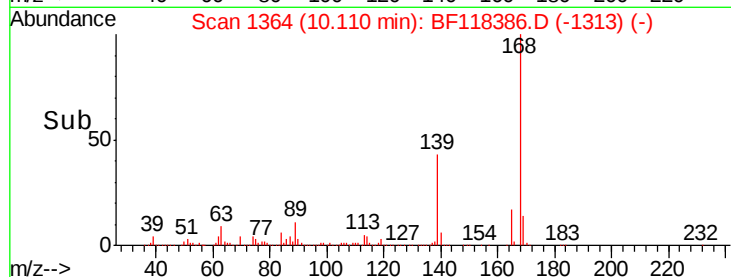
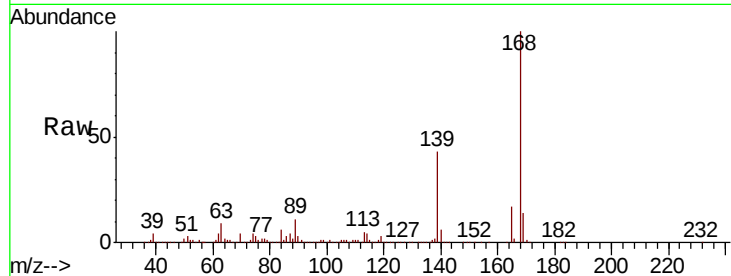
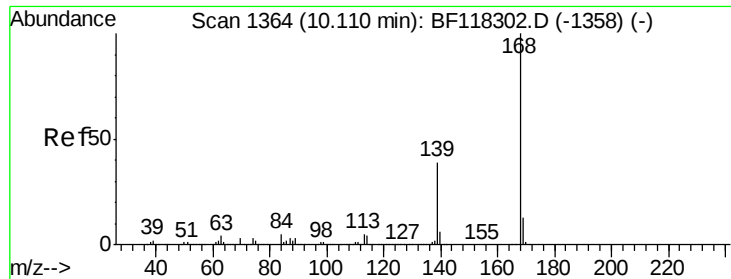
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





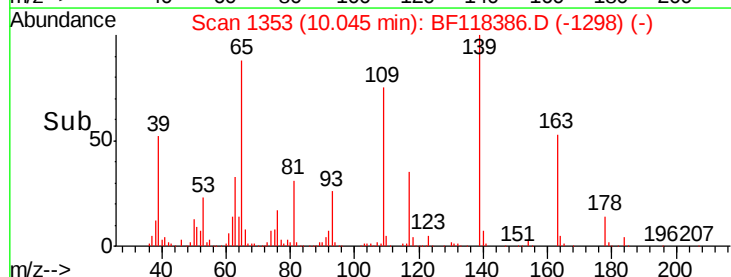
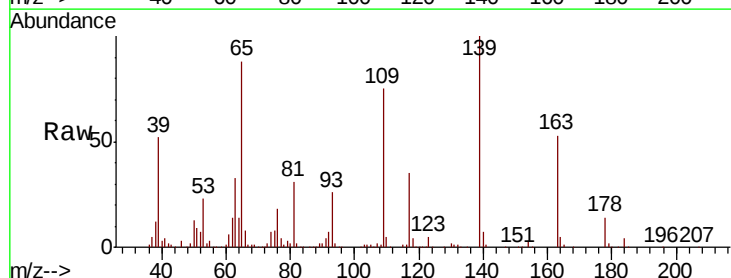
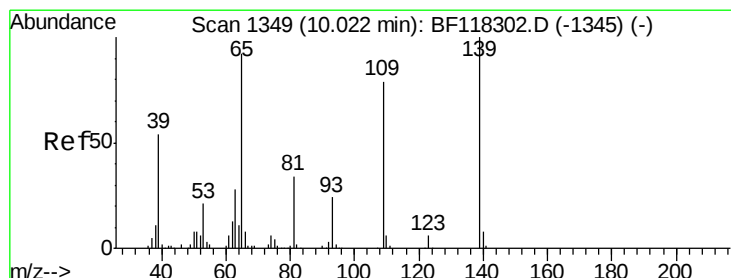
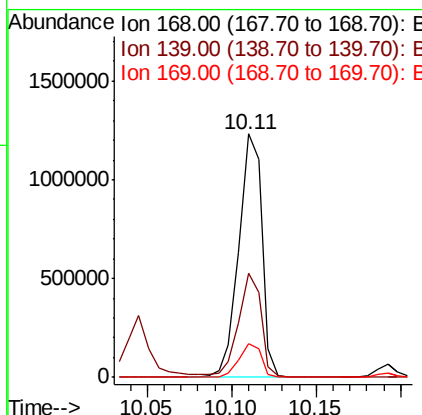
#55
Dibenzofuran
Concen: 43.680 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.6	31.5	47.3
169	13.9	10.4	15.6

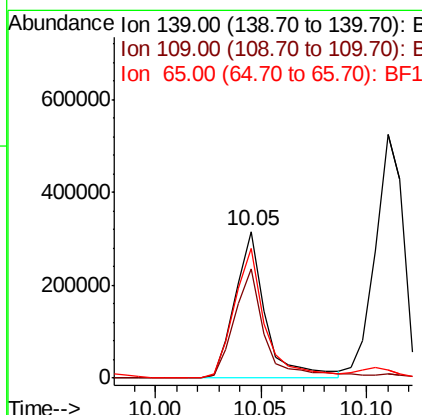
Manual Integrations
APPROVED

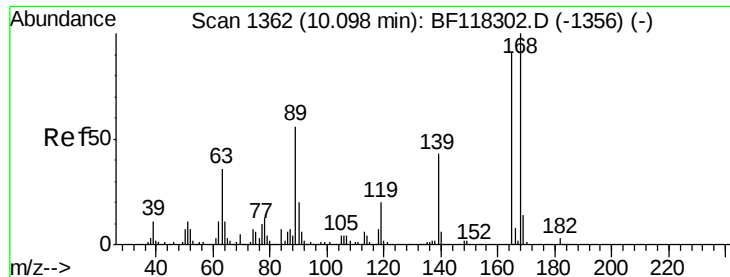
mohammad
12/31/2019 12:04:04 PM



#56
4-Nitrophenol
Concen: 85.034 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.7	59.3	99.3
65	88.2	72.4	112.4





#57

2,4-Dinitrotoluene

Concen: 45.233 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:165 Resp: 310471
Ion Ratio Lower Upper

165 100

63 48.4 32.0 48.0#

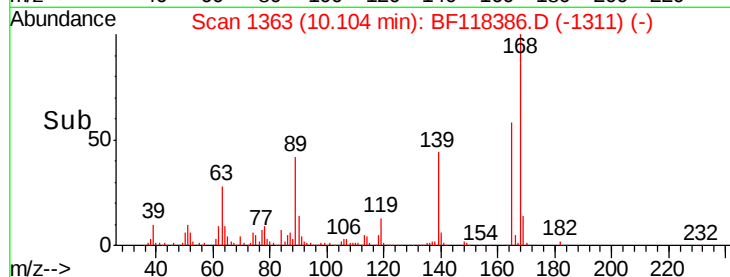
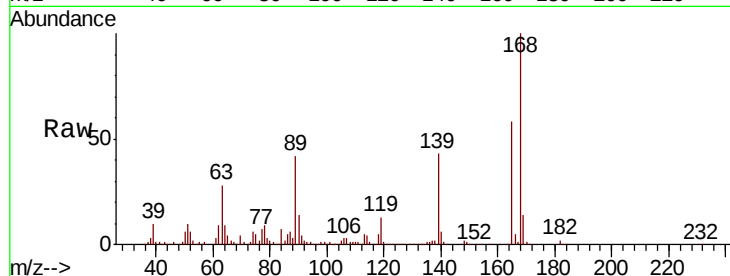
89 72.4 49.3 73.9

182 2.7 2.4 3.6

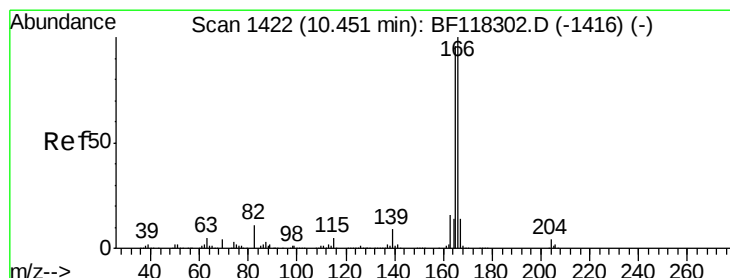
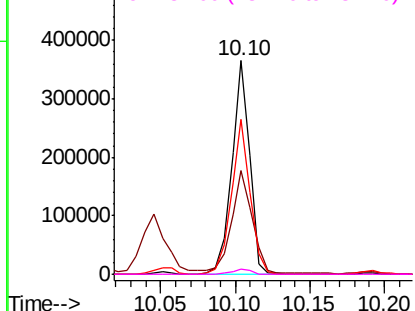
Manual Integrations
APPROVED

mohammad

12/31/2019 12:04:04 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
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 43.493 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF118386.D

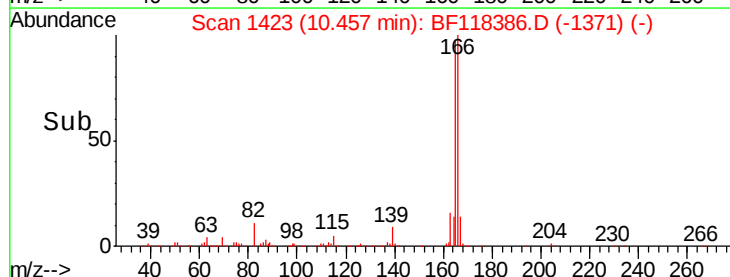
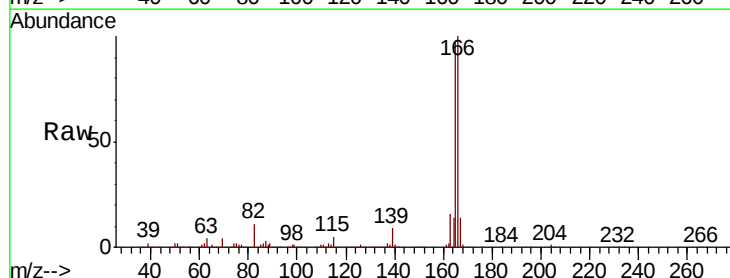
Acq: 30 Dec 2019 17:41

Tgt Ion:166 Resp: 946952
Ion Ratio Lower Upper

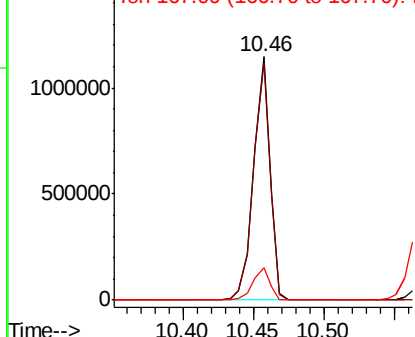
166 100

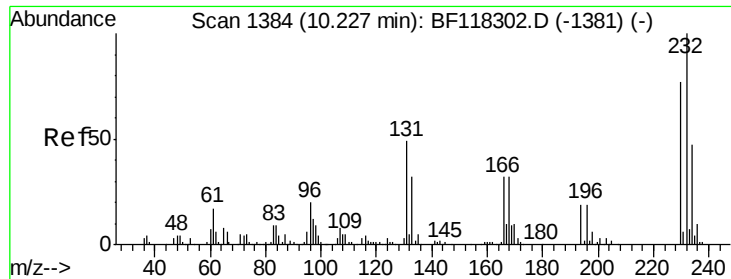
165 97.2 77.0 115.4

167 13.5 10.9 16.3



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





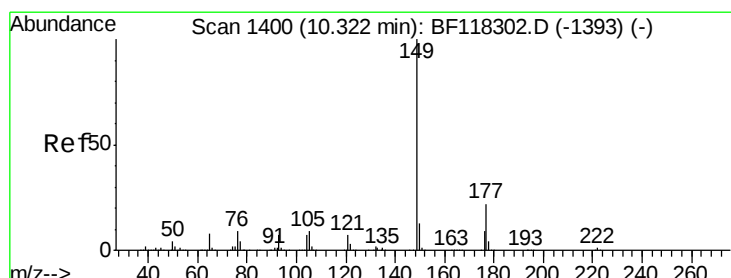
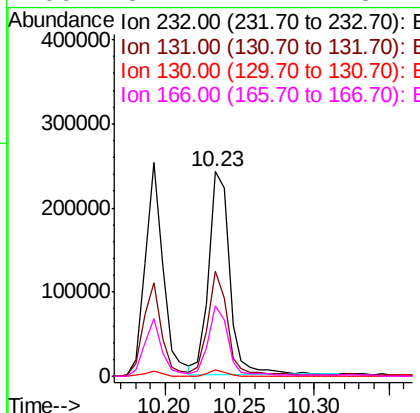
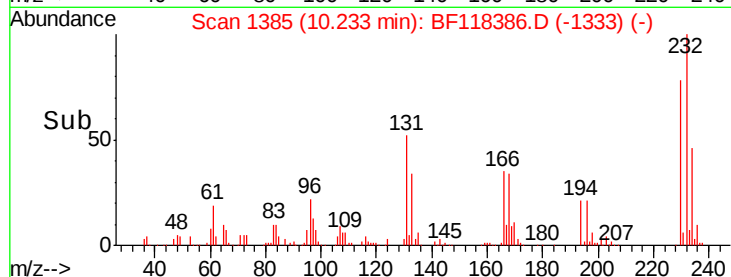
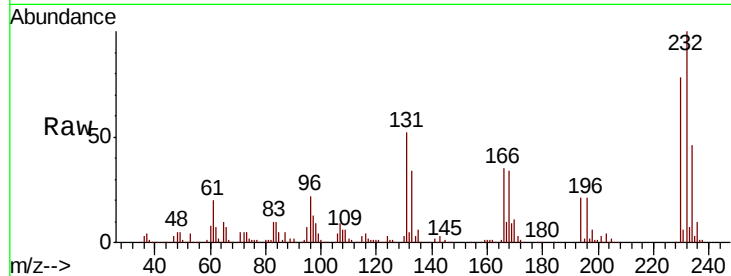
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.702 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	237805		
131	47.9		37.7	56.5
130	2.6		2.0	3.0
166	32.2		24.7	37.1

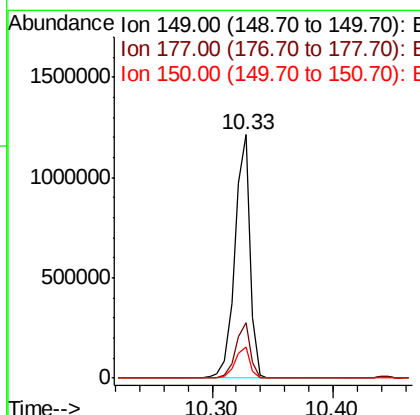
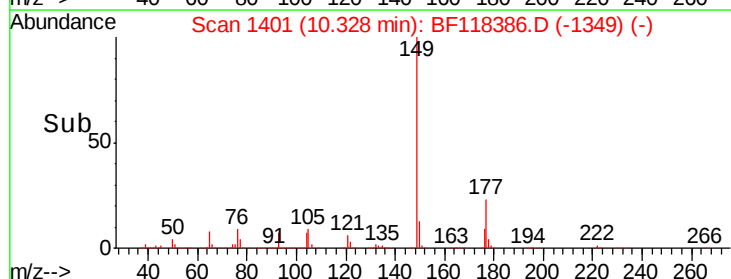
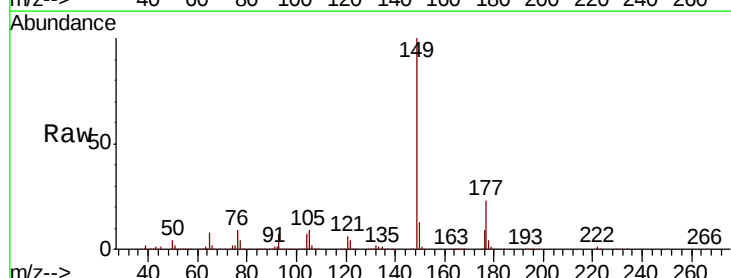
Manual Integrations
APPROVED

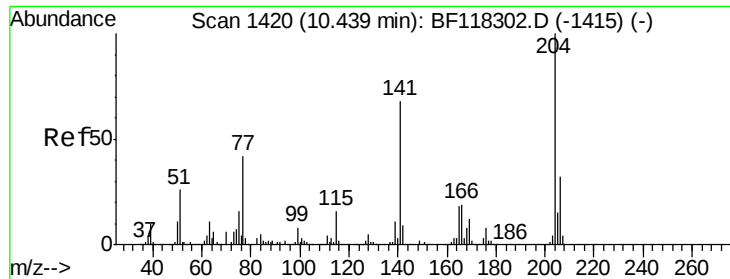
mohammad
12/31/2019 12:04:04 PM



#60
Diethylphthalate
Concen: 44.892 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1058162		
177	22.7		17.9	26.9
150	12.7		10.2	15.2





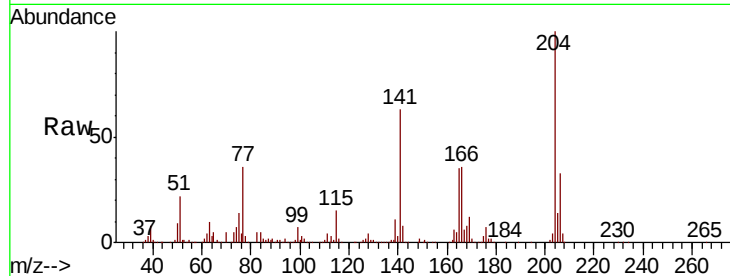
#61
4-Chlorophenyl-phenylether
Concen: 43.956 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	63.4	54.2	81.4

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

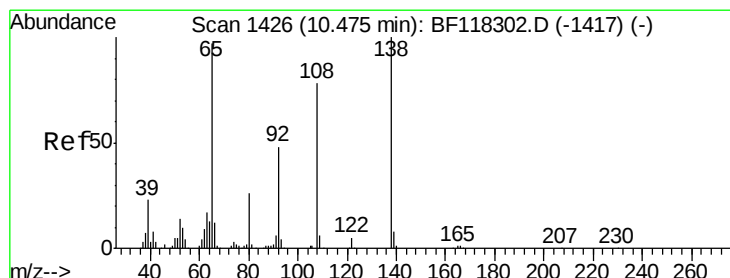
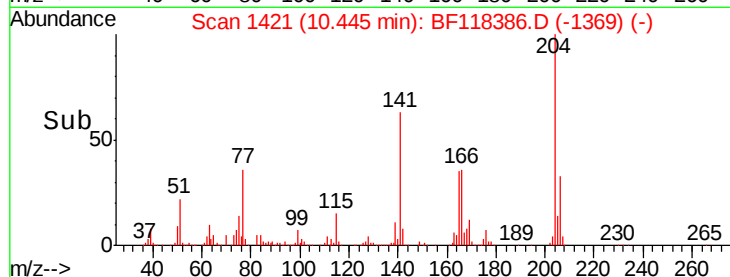
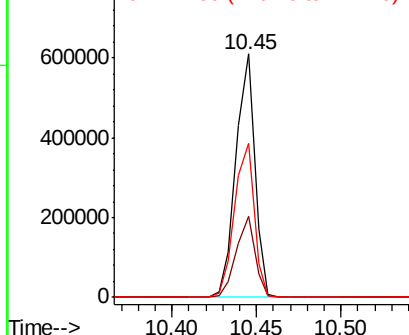


Abundance

Ion 204.00 (203.70 to 204.70): E

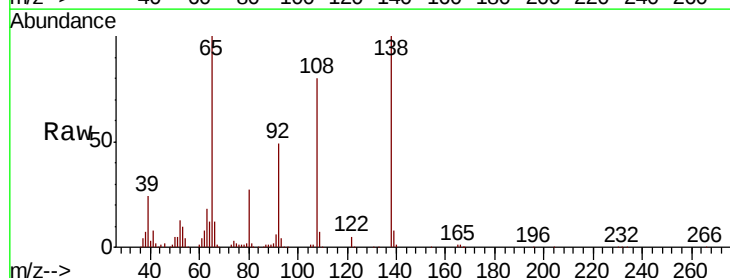
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 39.007 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.3	27.9	67.9
108	80.2	58.1	98.1

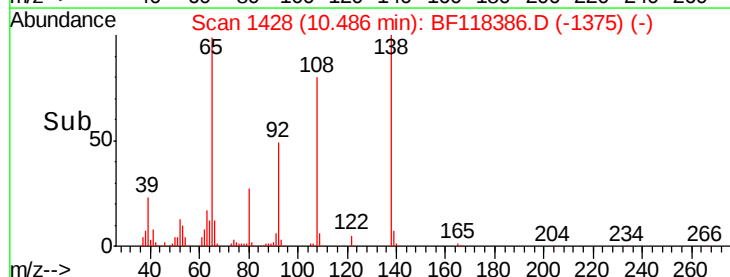
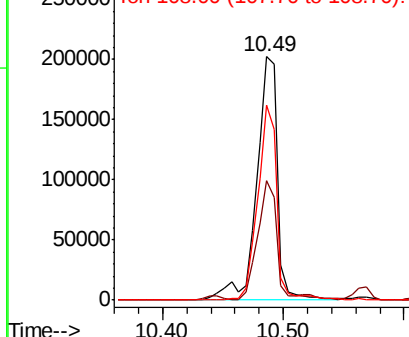


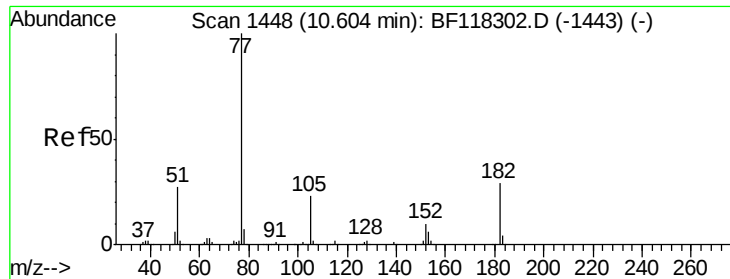
Abundance

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





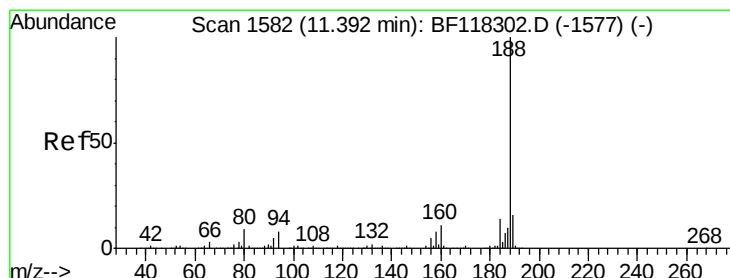
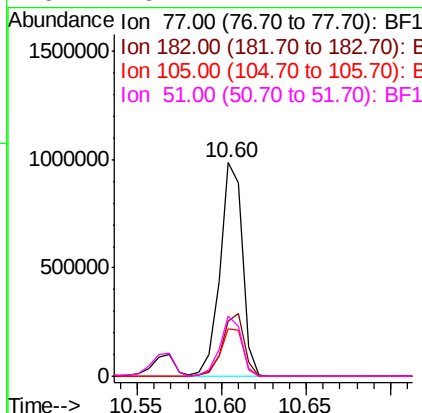
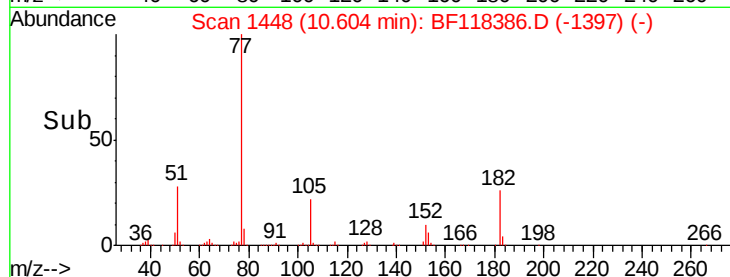
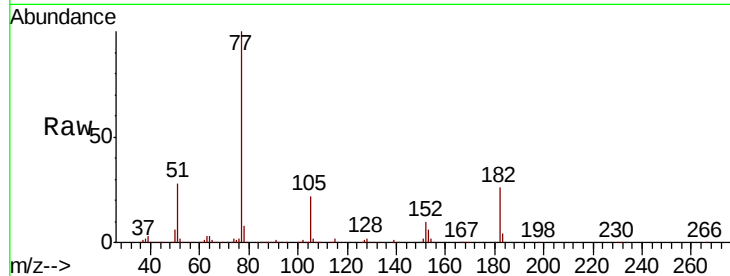
#63
Azobenzene
Concen: 45.030 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.6	9.2	49.2
105	22.1	3.2	43.2
51	28.2	7.1	47.1

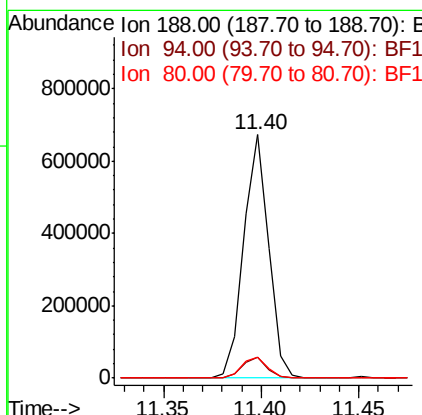
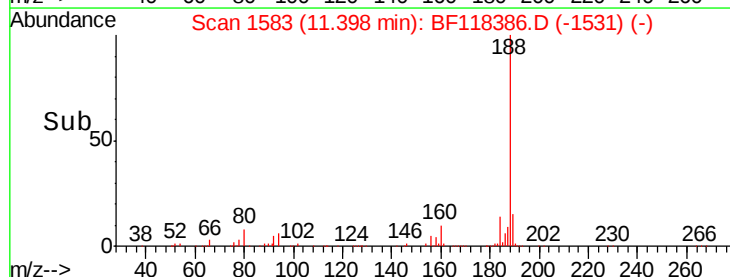
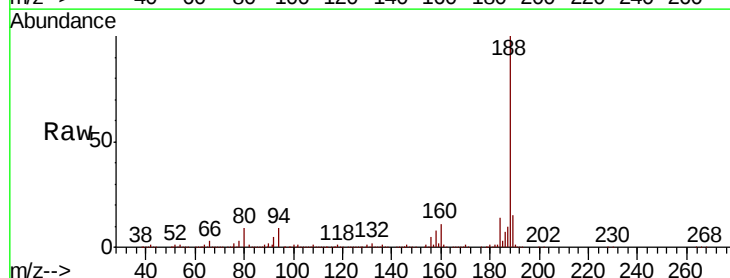
Manual Integrations
APPROVED

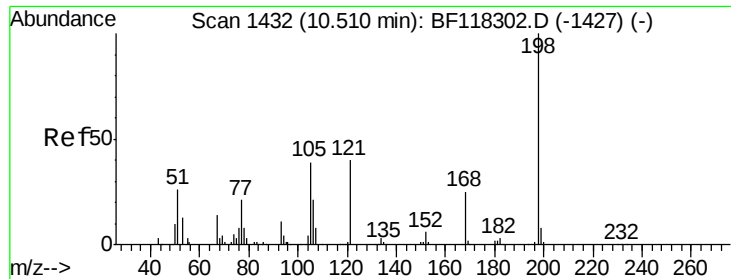
mohammad
12/31/2019 12:04:04 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.6	7.2	10.8





#65

4,6-Dinitro-2-methylphenol

Concen: 50.194 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

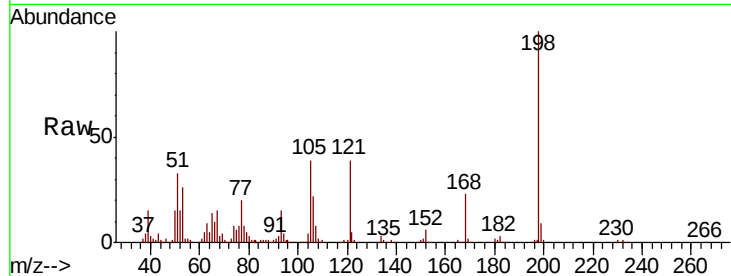
ClientSampleId :

SB-04MSD

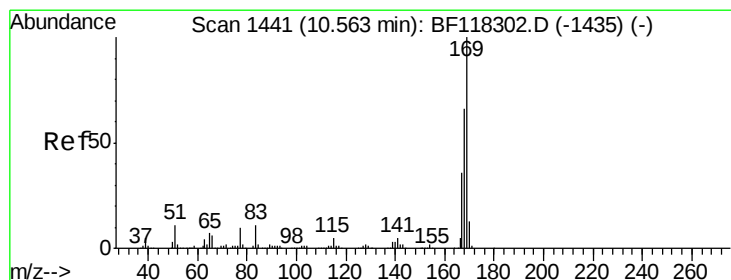
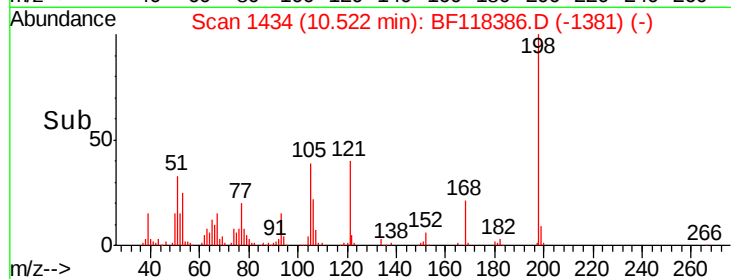
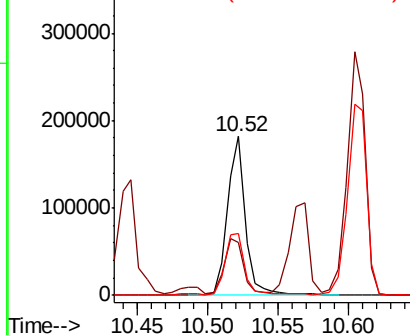
Tot Ion:	198	Resp:	161225
Ion Ratio	Lower	Upper	
198	100		
51	33.4	12.8	52.8
105	38.9	20.3	60.3

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 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: 45.238 ng

RT: 10.57 min Scan# 1442

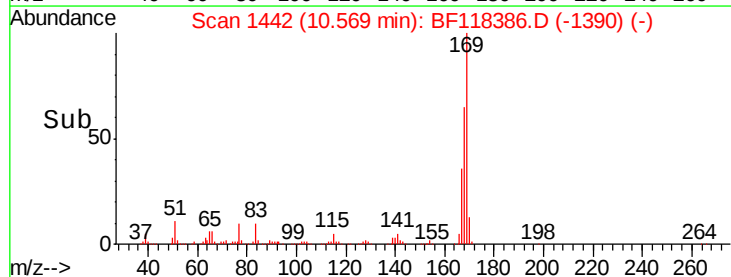
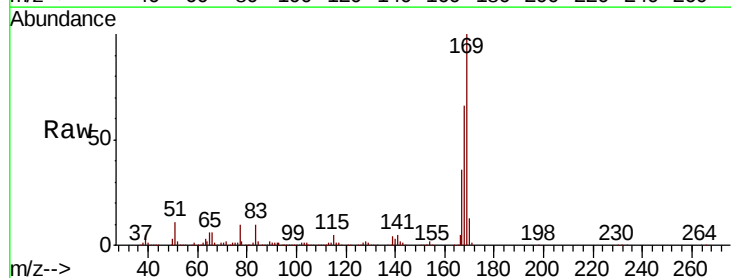
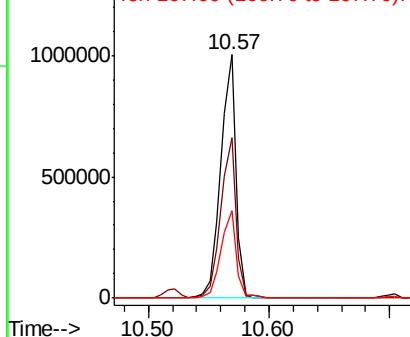
Delta R.T. 0.01 min

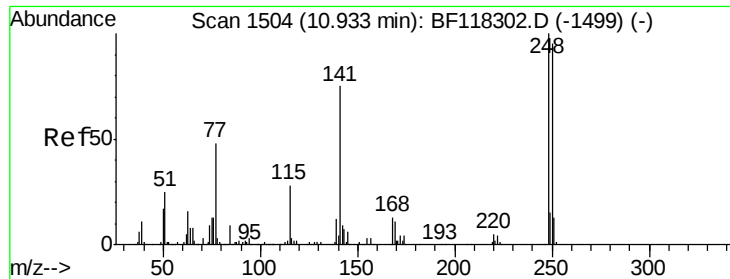
Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion:	169	Resp:	863266
Ion Ratio	Lower	Upper	
169	100		
168	65.6	52.6	79.0
167	35.8	28.4	42.6

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





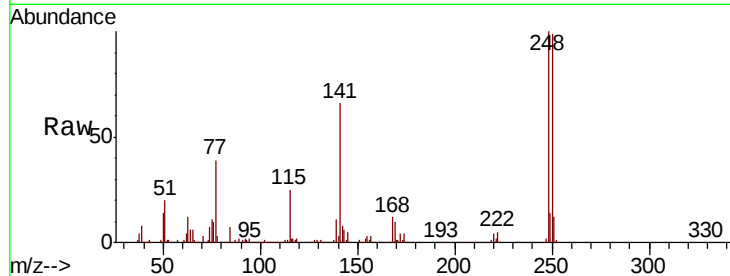
#67
4-Bromophenyl-phenylether
Concen: 43.349 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.5	76.4	114.6
141	65.6	60.2	90.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

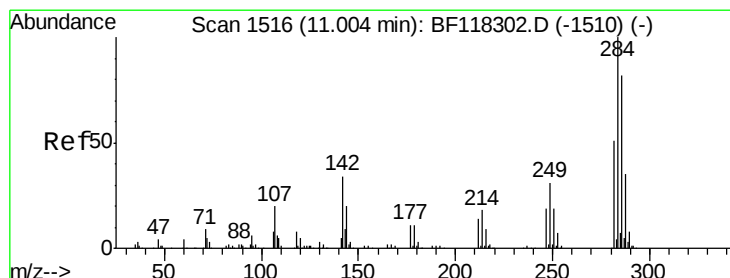
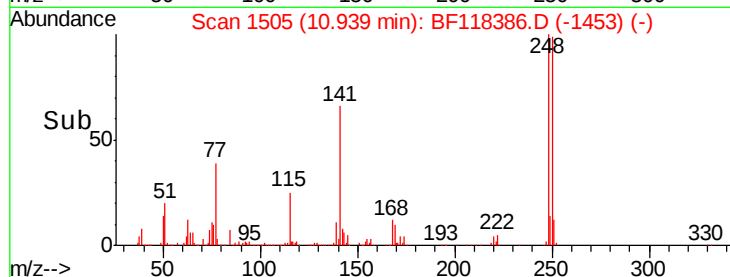
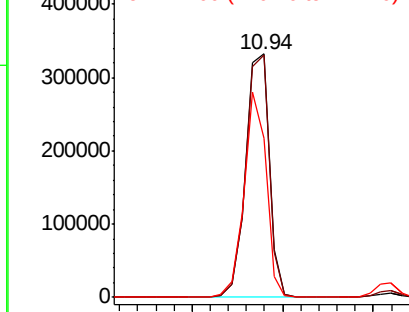


Abundance

Ion 248.00 (247.70 to 248.70): E

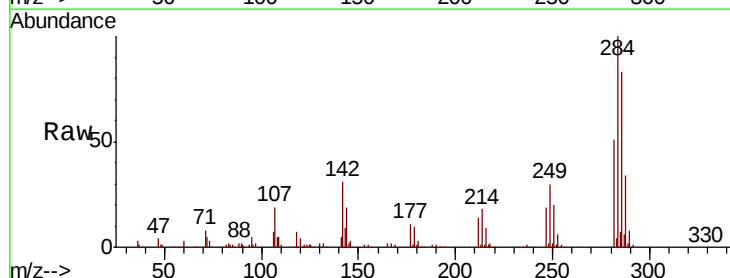
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.370 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.3	40.9
249	29.7	25.0	37.6

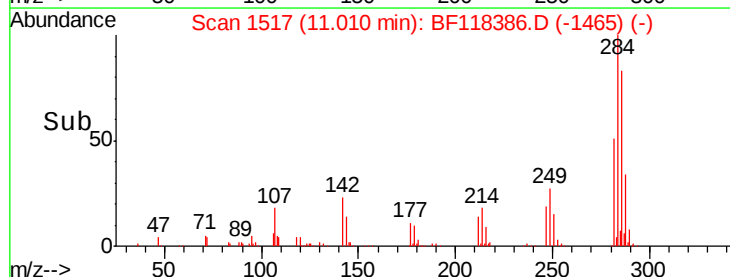
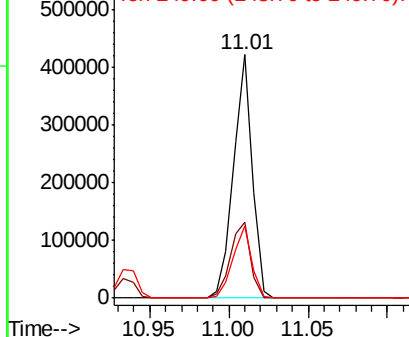


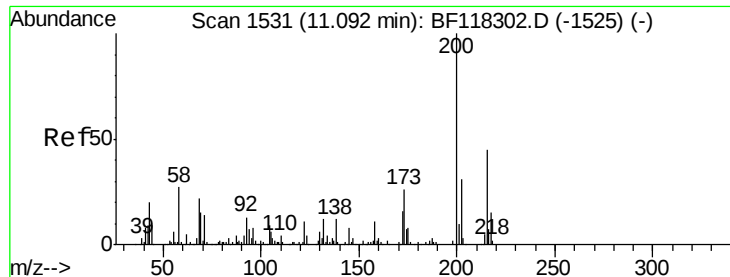
Abundance

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





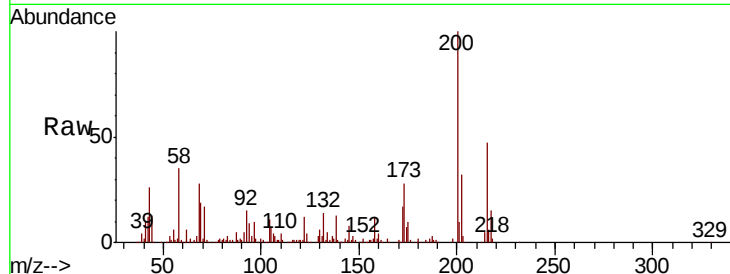
#69
Atrazine
Concen: 51.868 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	305482		
173	28.0		5.8	45.8
215	47.1		25.1	65.1

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

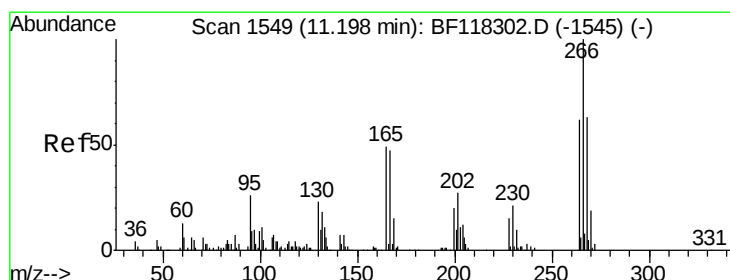
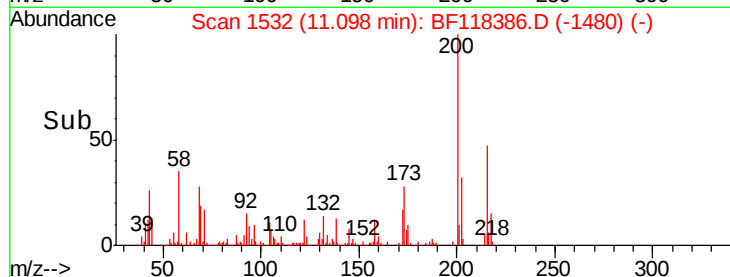
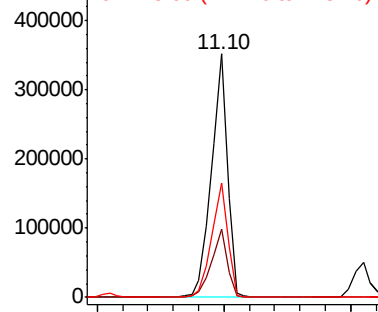


Abundance

Ion 200.00 (199.70 to 200.70): E

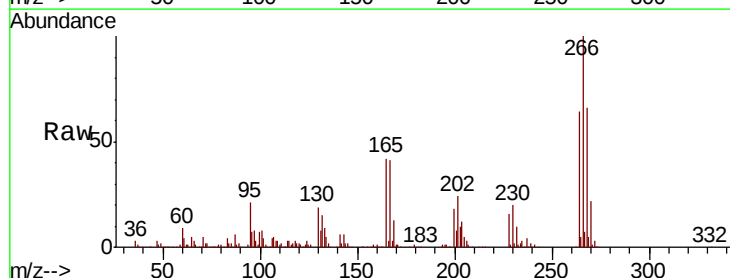
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 80.233 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	284997		
268	65.9		50.6	76.0
264	64.2		49.9	74.9

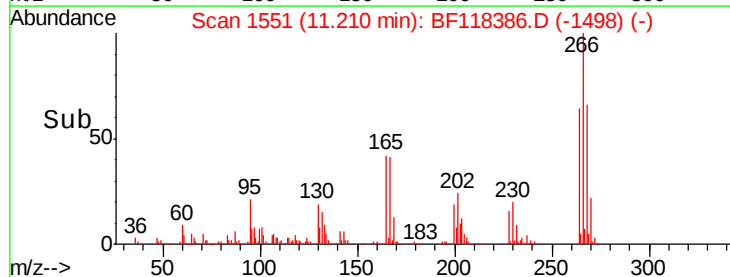
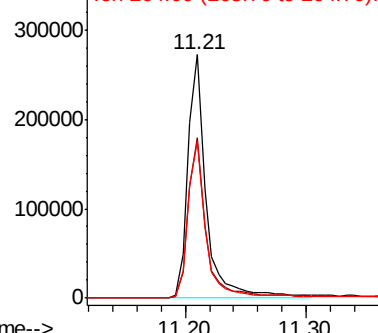


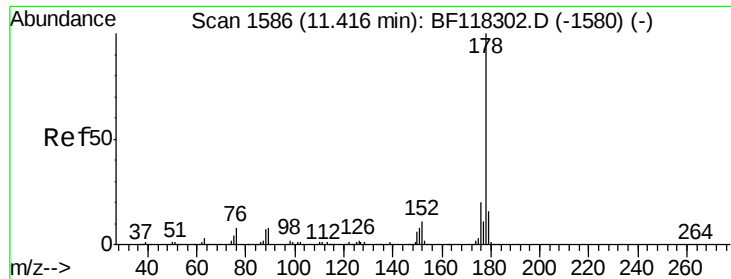
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 43.943 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:178 Resp: 1426344

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

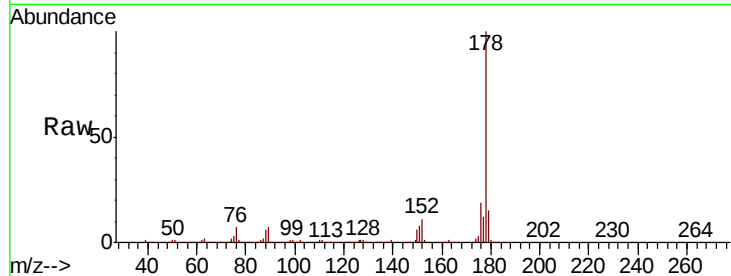
179 15.5 12.6 19.0

Manual Integrations

APPROVED

mohammad

12/31/2019 12:04:04 PM

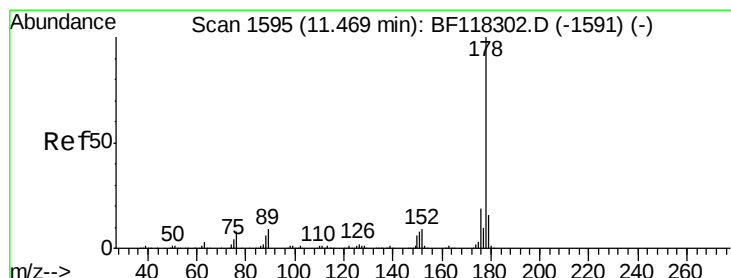
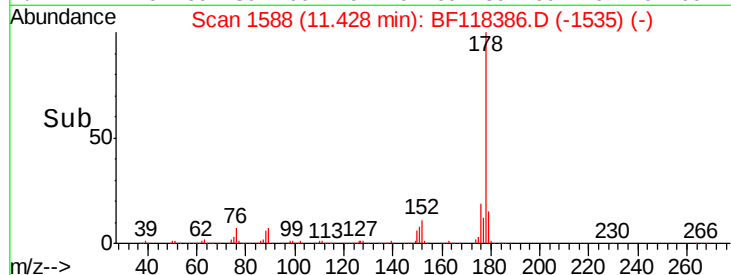
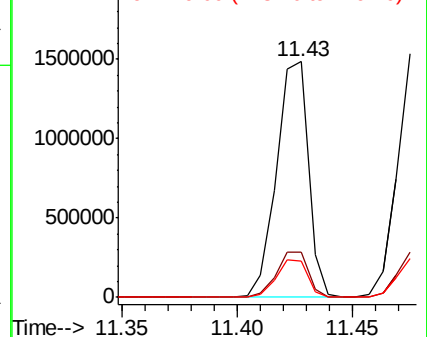


Abundance

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: 45.681 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

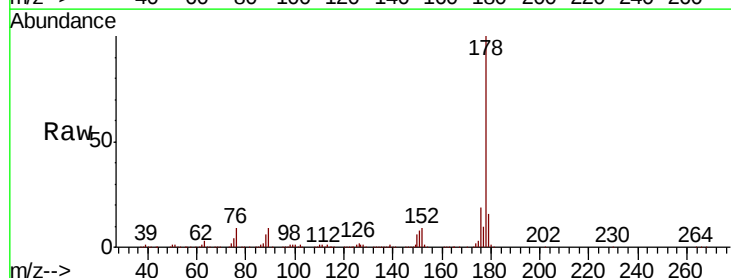
Tgt Ion:178 Resp: 1484128

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 16.0 12.9 19.3

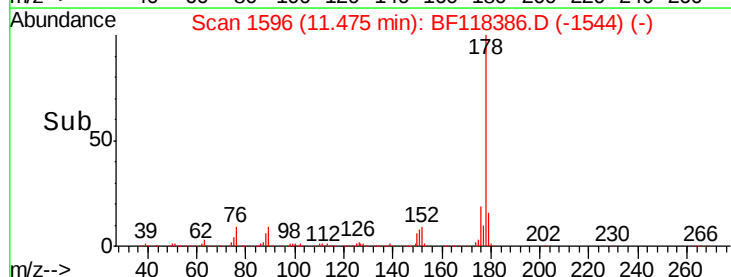
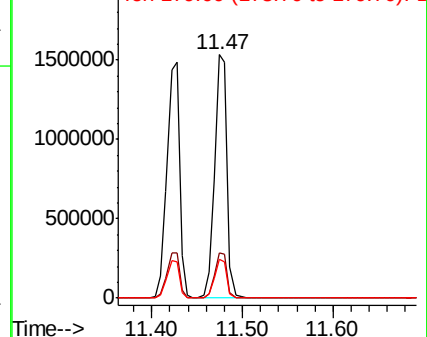


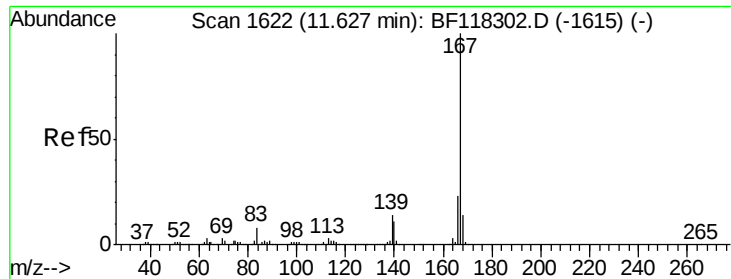
Abundance

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





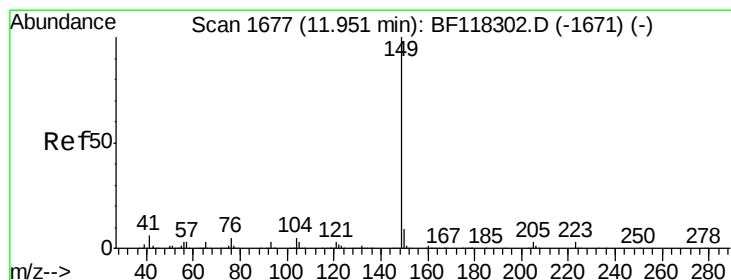
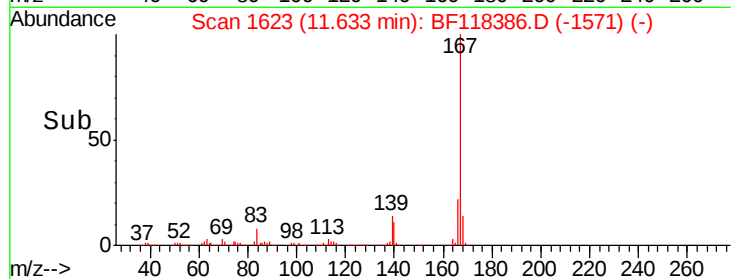
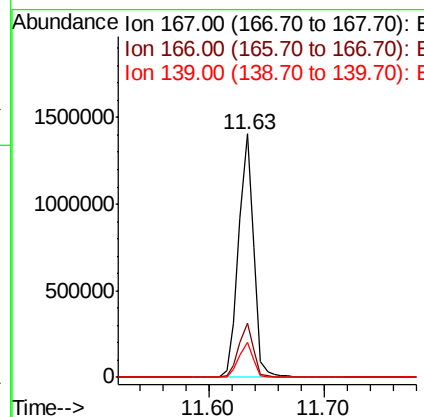
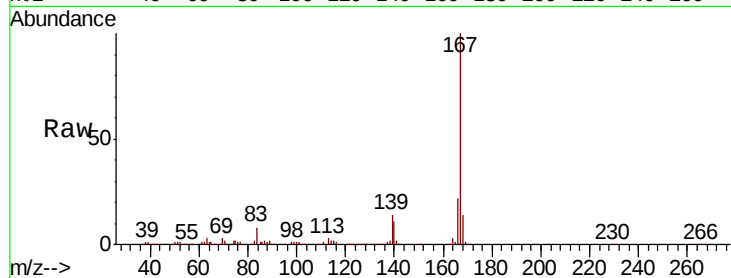
#73
 Carbazole
 Concen: 43.972 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	14.3	11.5	17.3

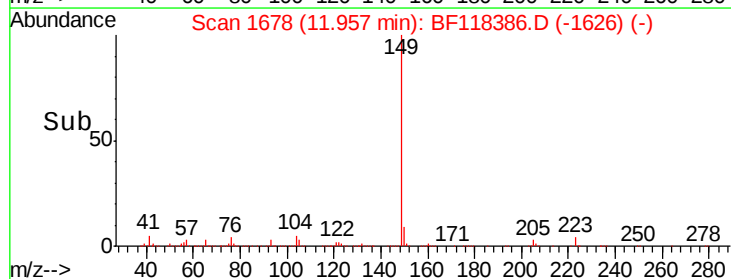
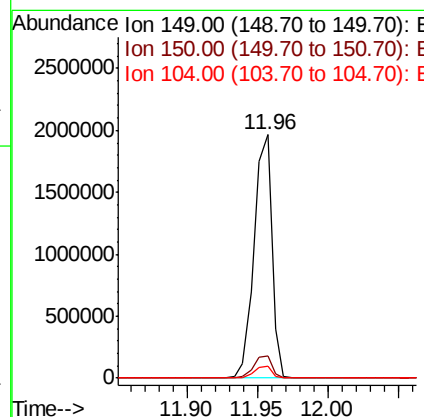
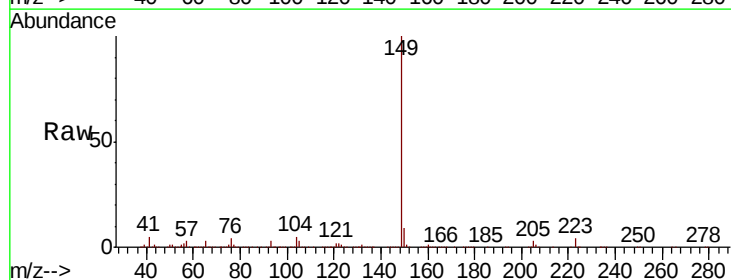
Manual Integrations
 APPROVED

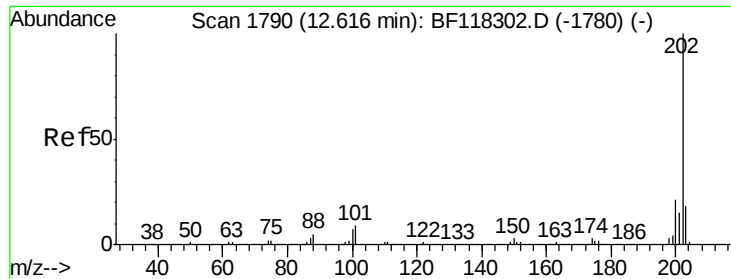
mohammad
 12/31/2019 12:04:04 PM



#74
 Di-n-butylphthalate
 Concen: 47.917 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	4.0	6.0





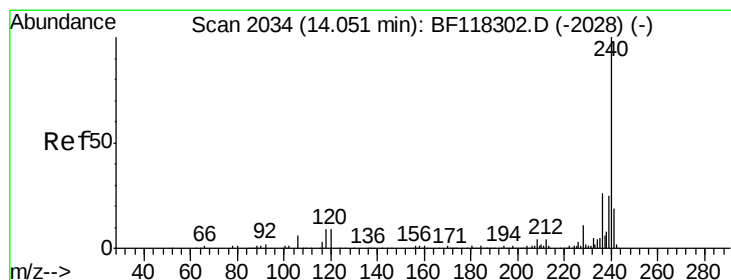
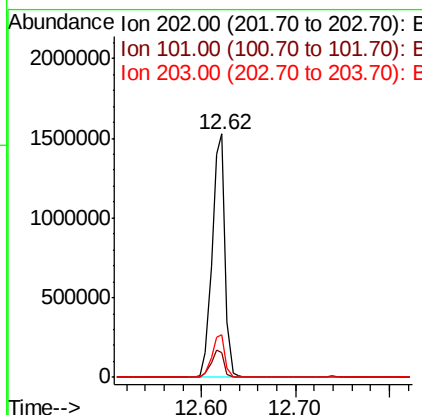
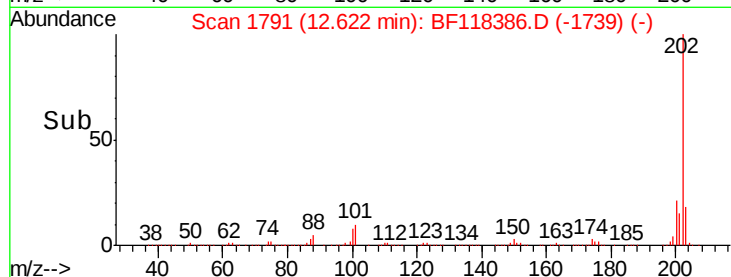
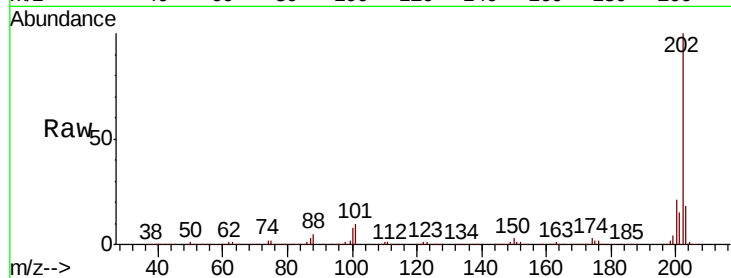
#75
 Fluoranthene
 Concen: 45.269 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.5
203	17.7	0.0	37.6

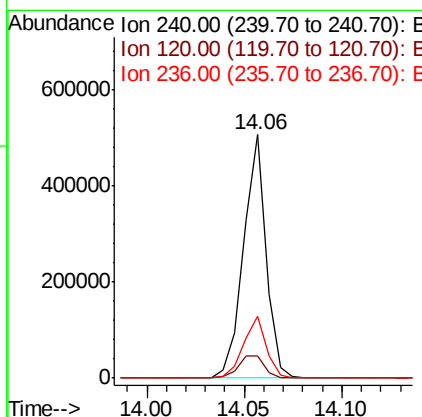
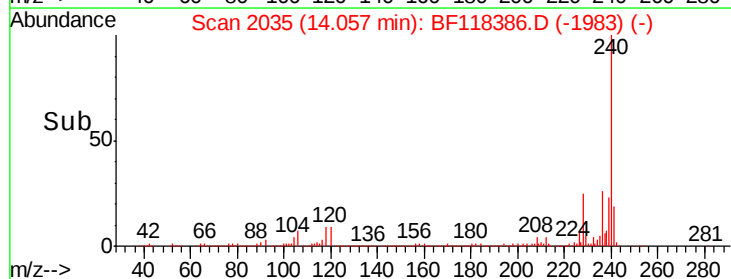
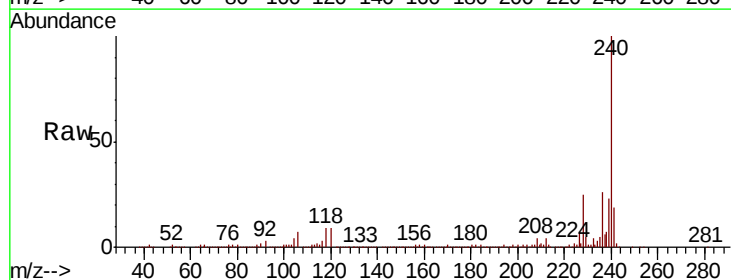
Manual Integrations
 APPROVED

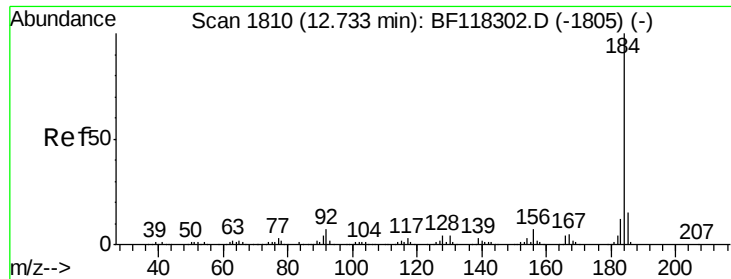
mohammad
 12/31/2019 12:04:04 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.1	10.7
236	25.6	21.0	31.6





#77

Benzidine

Concen: 66.418 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

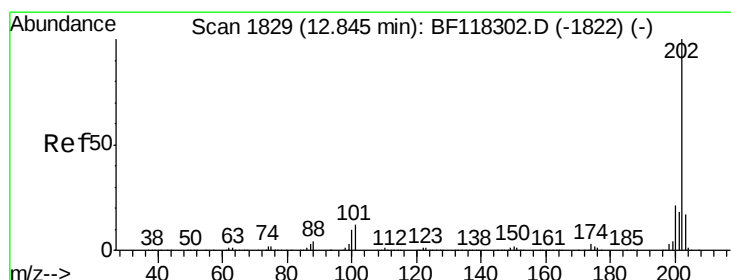
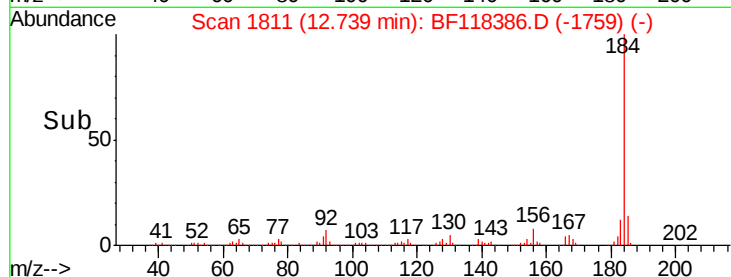
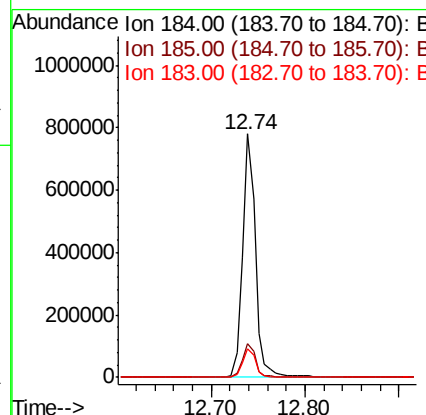
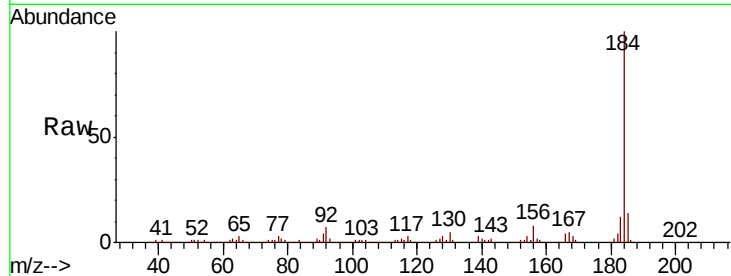
ClientSampleId :

SB-04MSD

Tot Ion:	184	Resp:	738475
Ion Ratio	Lower	Upper	
184	100		
185	13.7	12.3	18.5
183	11.6	9.4	14.2

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



#78

Pyrene

Concen: 44.148 ng

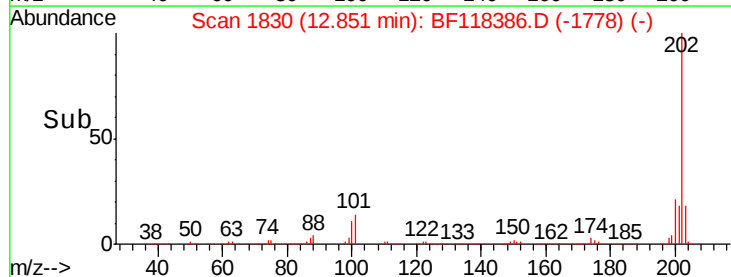
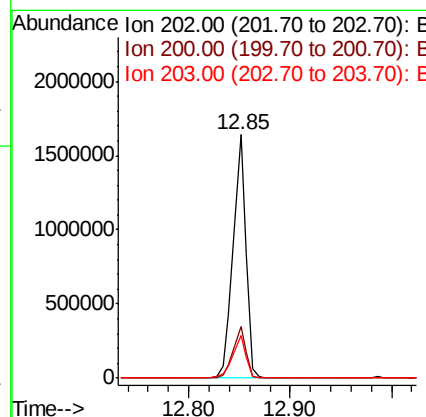
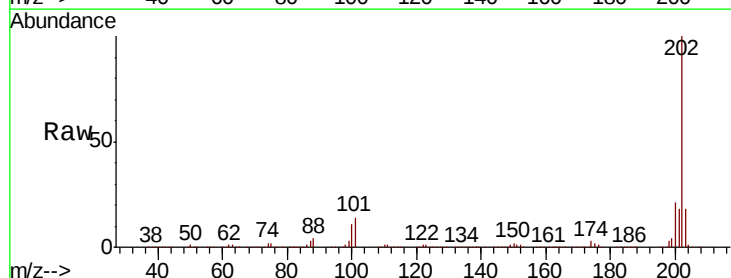
RT: 12.85 min Scan# 1830

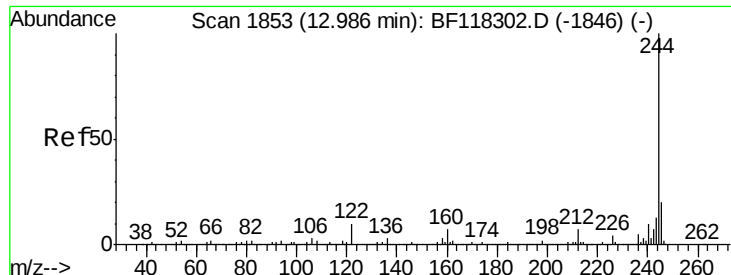
Delta R.T. 0.01 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion:	202	Resp:	1462907
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	17.8	13.9	20.9





#79

Terphenyl-d14

Concen: 88.685 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampled :

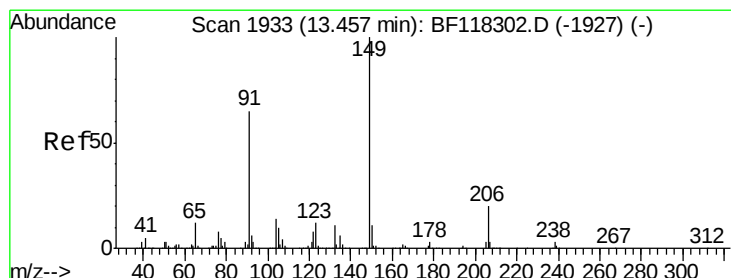
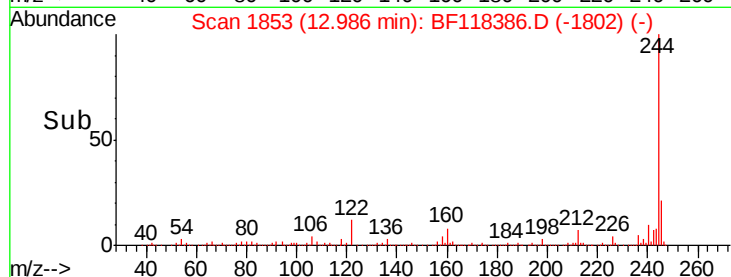
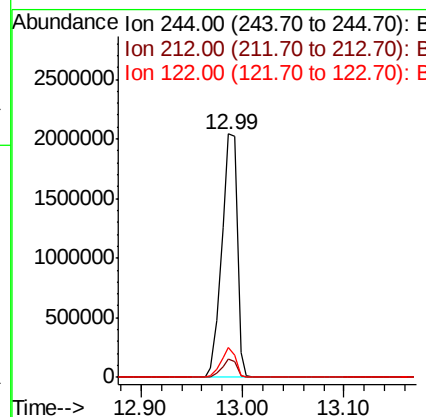
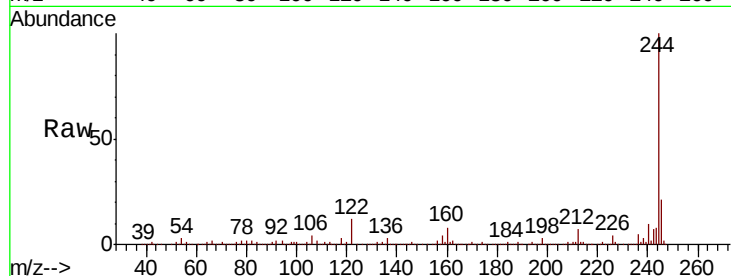
SB-04MSD

Tot Ion:244 Resp: 2169129

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	12.5	7.8	11.8

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM



#80

Butylbenzylphthalate

Concen: 48.569 ng

RT: 13.46 min Scan# 1934

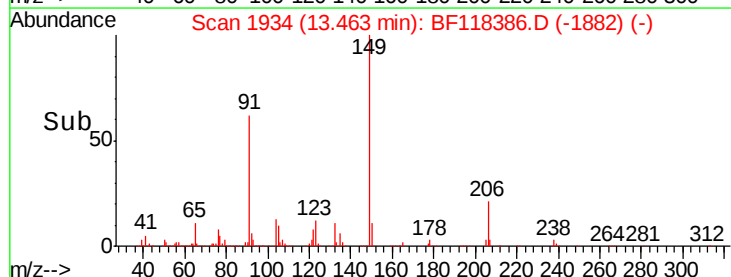
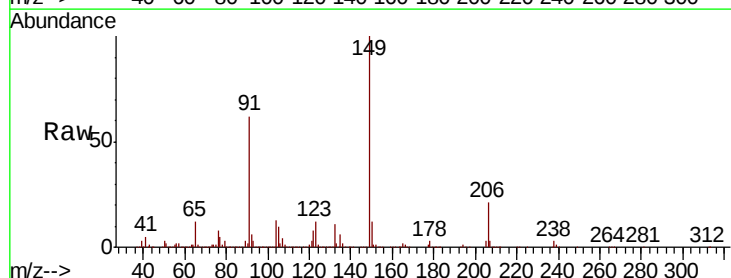
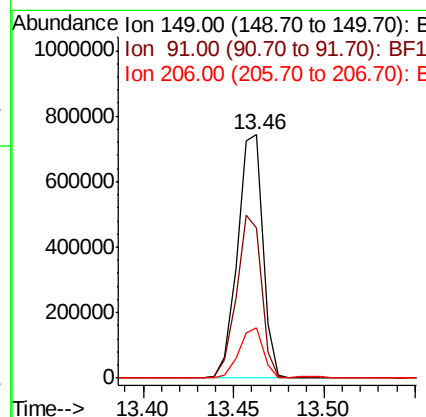
Delta R.T. 0.01 min

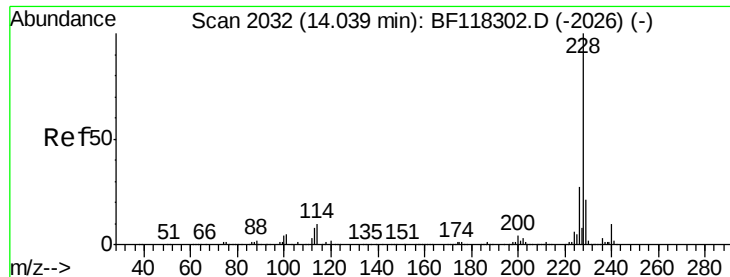
Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Tgt Ion:149 Resp: 724650

Ion	Ratio	Lower	Upper
149	100		
91	61.9	51.8	77.6
206	20.8	15.7	23.5





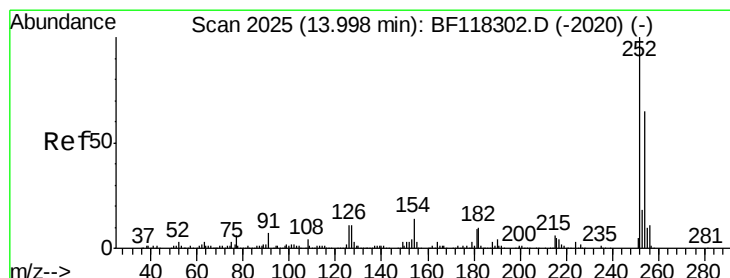
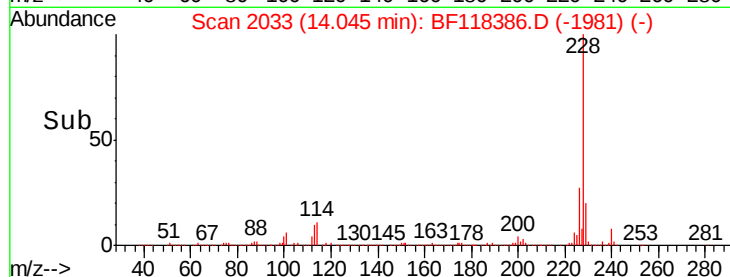
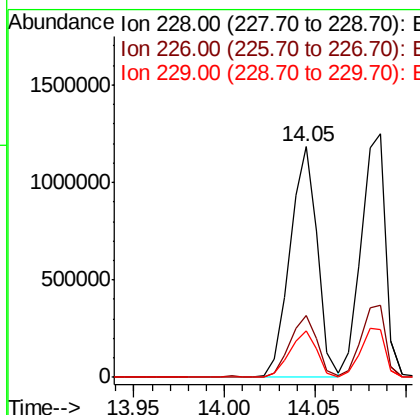
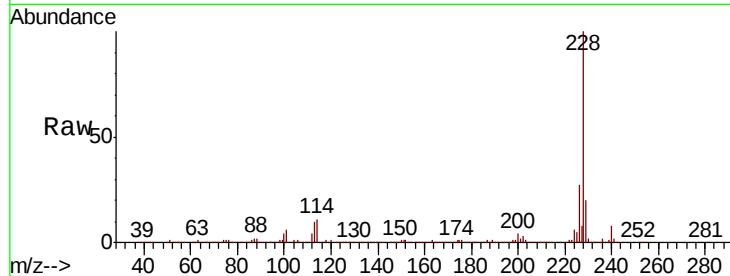
#81
Benzo(a)anthracene
Concen: 43.865 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion:228 Resp: 1245925
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 20.1 16.6 24.8

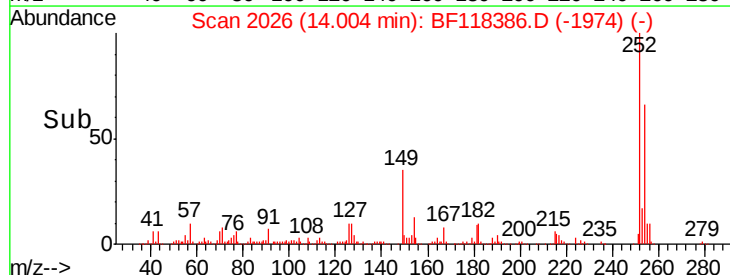
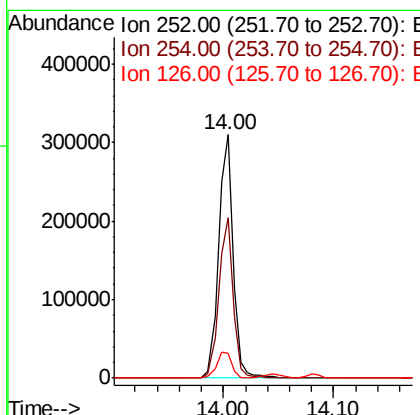
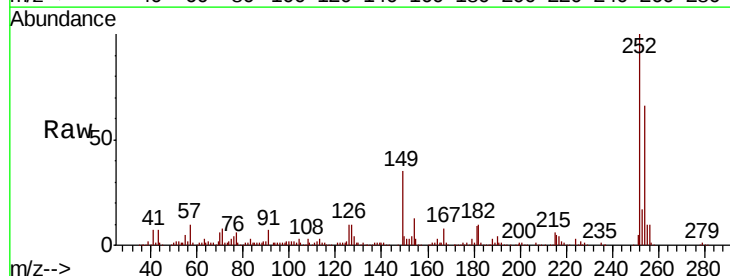
Manual Integrations
APPROVED

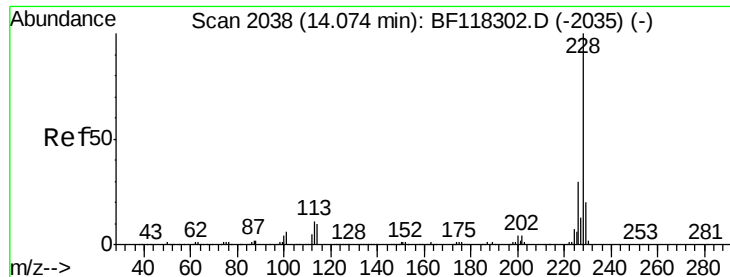
mohammad
12/31/2019 12:04:04 PM



#82
3,3'-Dichlorobenzidine
Concen: 29.569 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion:252 Resp: 284757
Ion Ratio Lower Upper
252 100
254 66.0 51.8 77.8
126 10.3 8.7 13.1





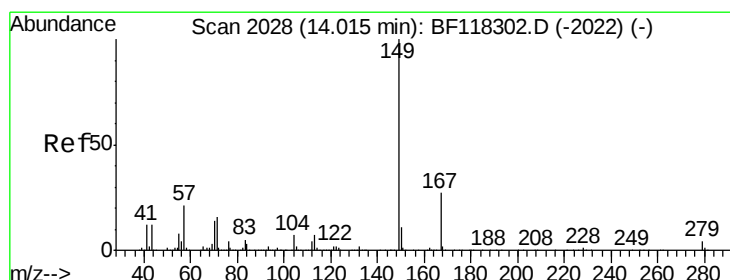
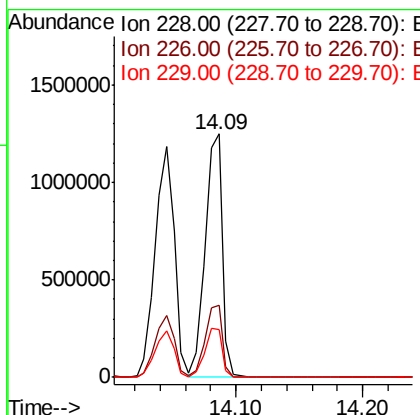
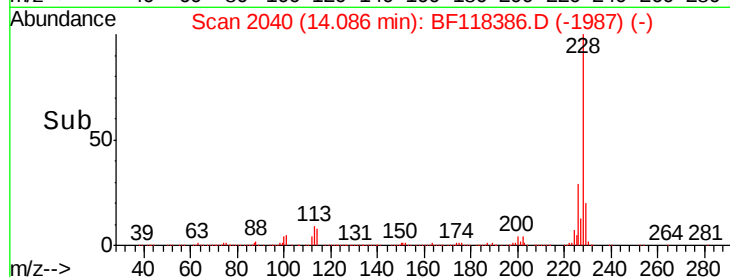
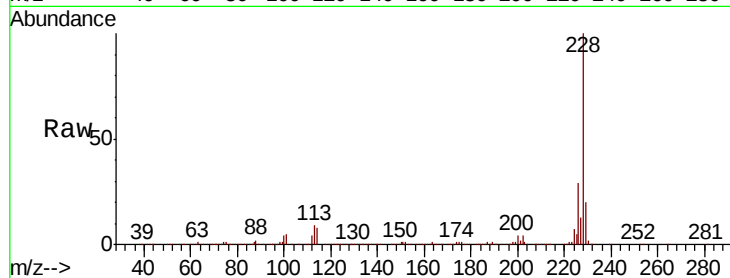
#83
 Chrvsene
 Concen: 43.432 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.01 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion:228 Resp: 1181216
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.9 35.9
 229 19.8 16.1 24.1

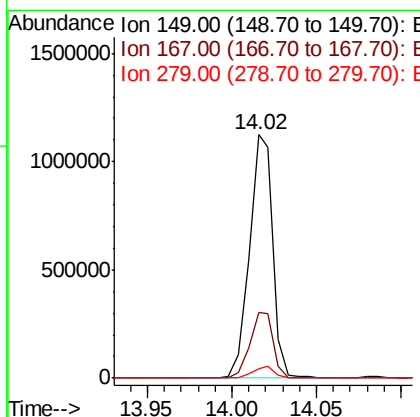
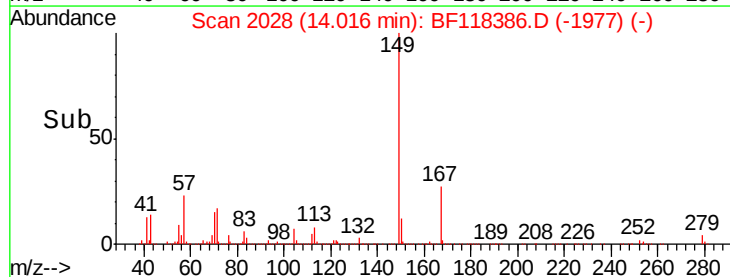
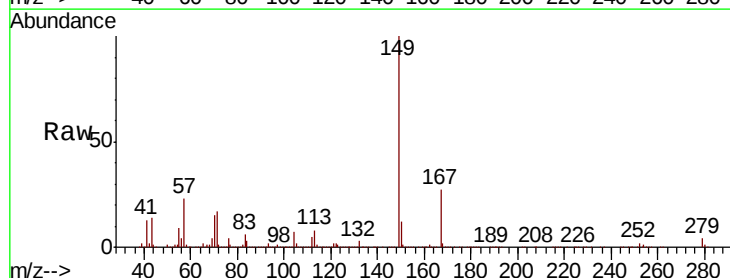
Manual Integrations
 APPROVED

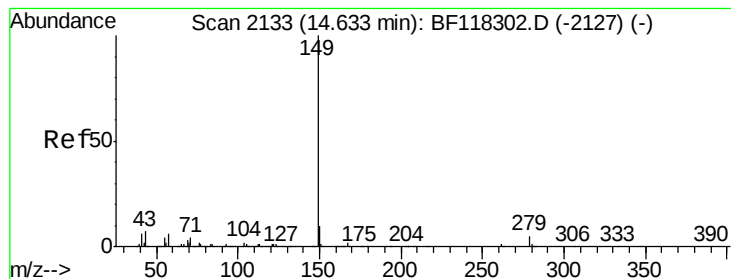
mohammad
 12/31/2019 12:04:04 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 55.065 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF118386.D
 Acq: 30 Dec 2019 17:41

Tgt Ion:149 Resp: 1080310
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.3 31.9
 279 3.9 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 57.449 ng

RT: 14.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:149 Resp: 1657892

Ion Ratio Lower Upper

149 100

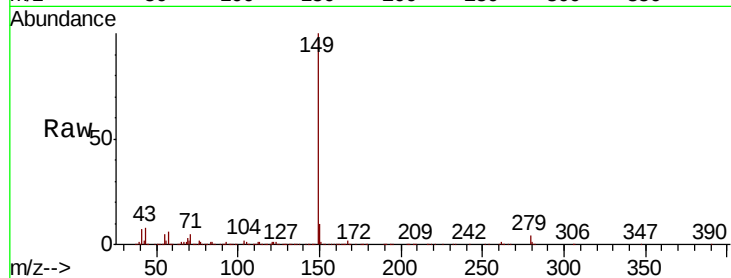
167 1.7 1.2 1.8

43 7.8 6.1 9.1

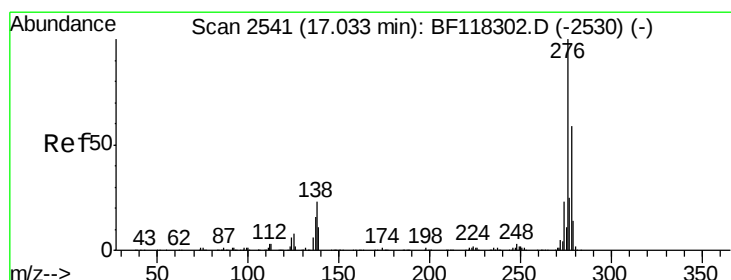
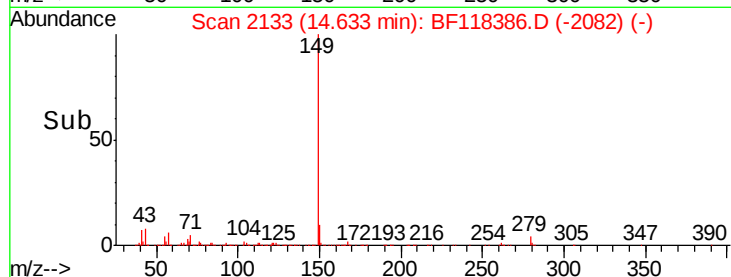
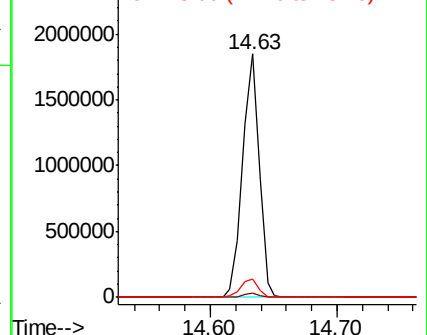
Manual Integrations
APPROVED

mohammad

12/31/2019 12:04:04 PM



Abundance Ion 149.00 (148.70 to 149.70): E
2500000
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: 49.162 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.04 min

Lab File: BF118386.D

Acq: 30 Dec 2019 17:41

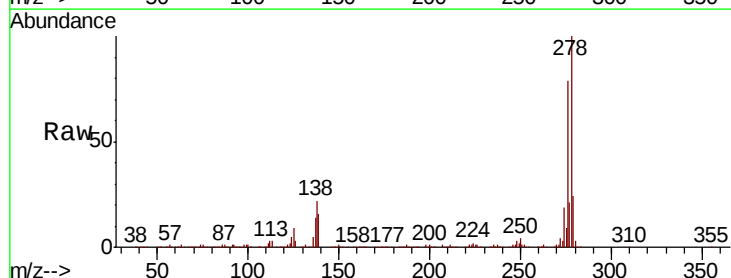
Tgt Ion:276 Resp: 1139246

Ion Ratio Lower Upper

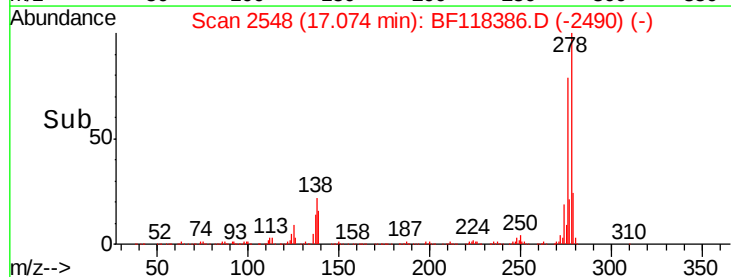
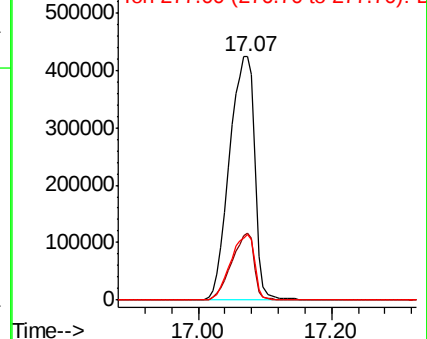
276 100

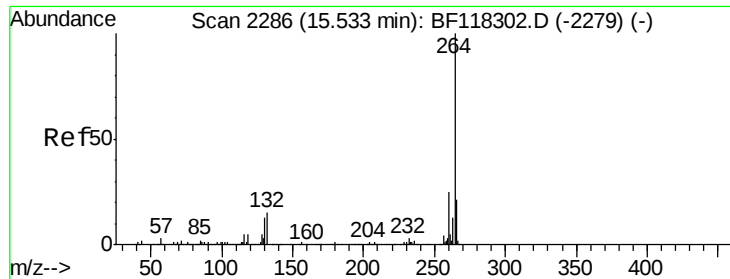
138 24.6 19.5 29.3

277 25.8 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
500000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





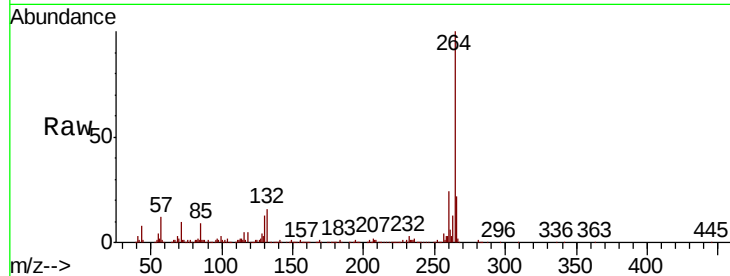
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.6
265	21.8	17.0	25.4

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

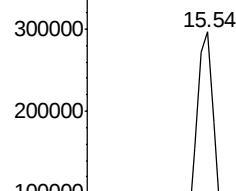


Abundance

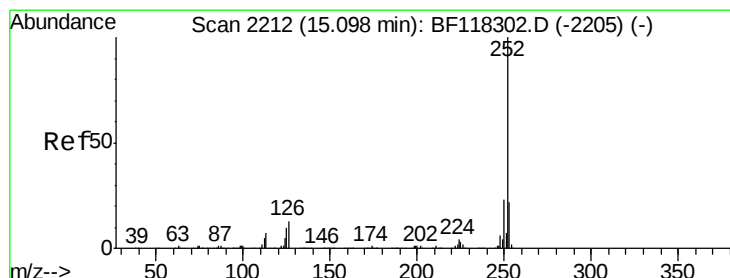
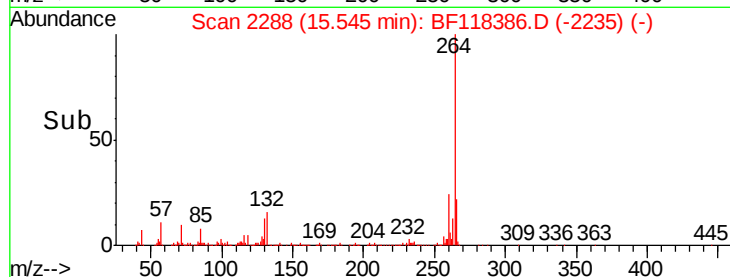
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88
Benzo(b)fluoranthene
Concen: 42.194 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.7	7.7	11.5

Abundance

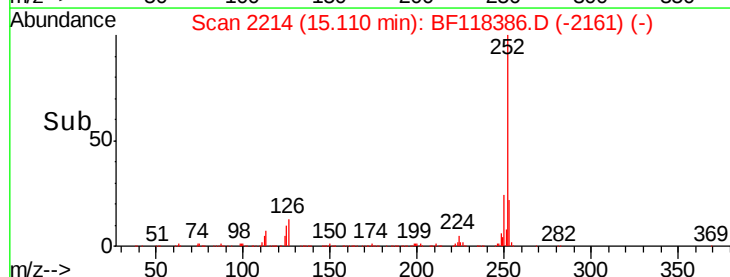
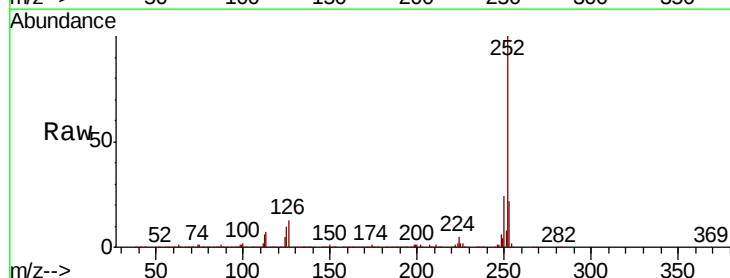
Ion 252.00 (251.70 to 252.70): E

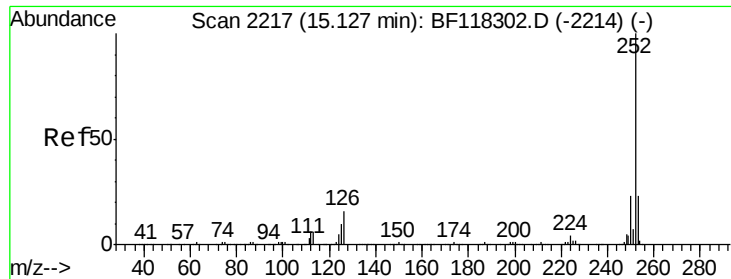
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





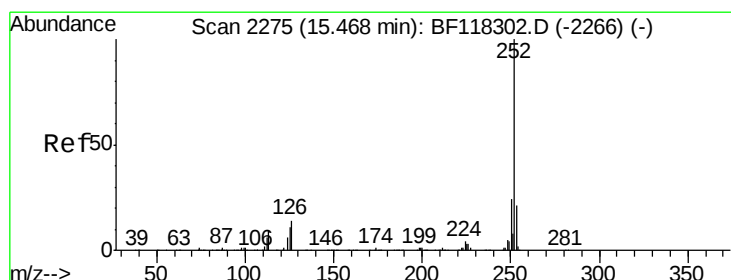
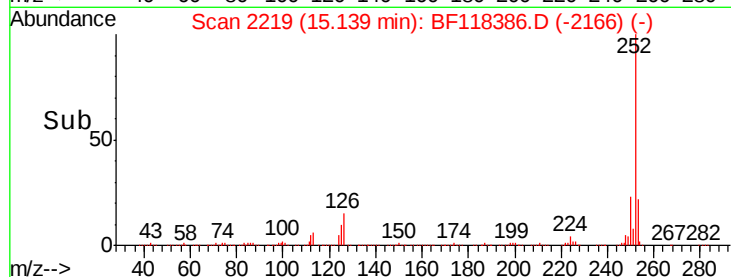
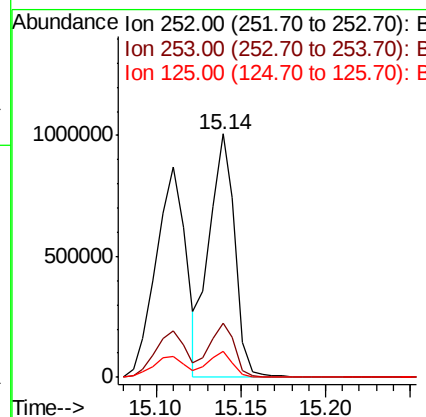
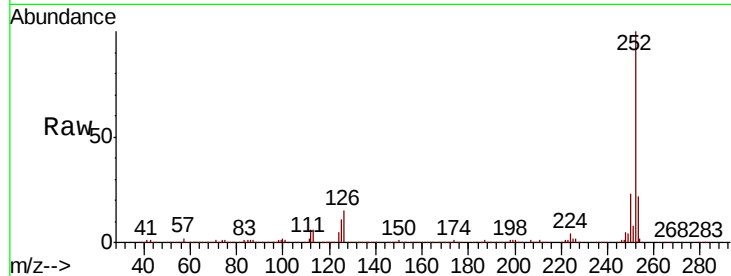
#89
Benzo(k)fluoranthene
Concen: 43.250 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.5	8.0	12.0

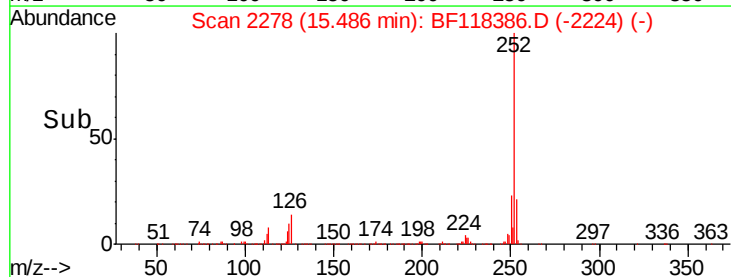
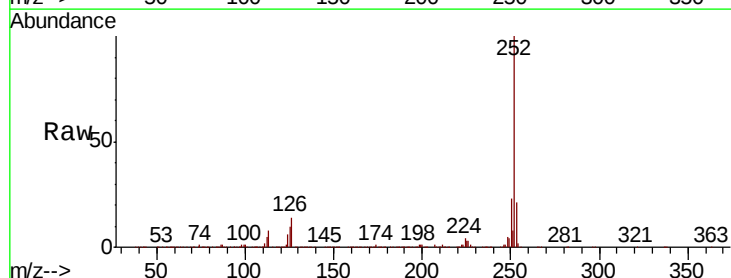
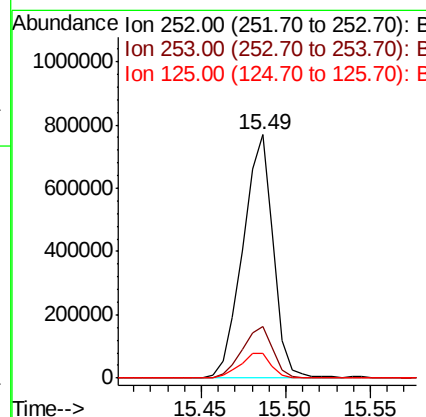
Manual Integrations
APPROVED

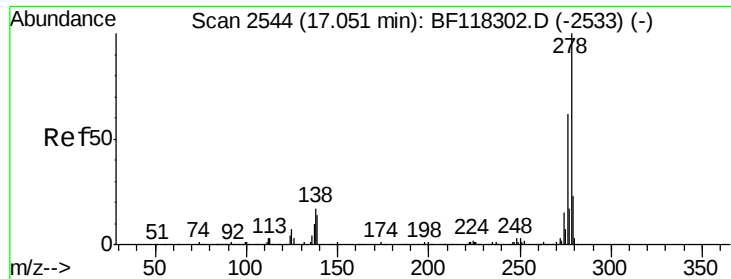
mohammad
12/31/2019 12:04:04 PM



#90
Benzo(a)pyrene
Concen: 42.895 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.0	25.6
125	10.3	9.0	13.4





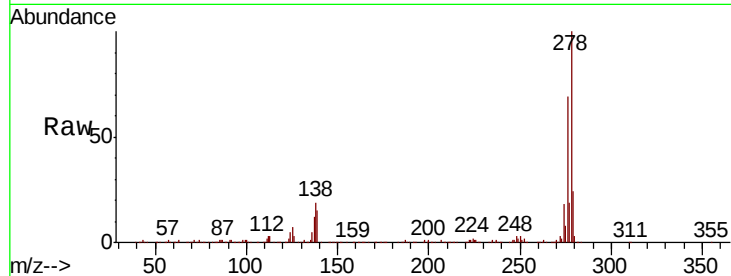
#91
Dibenzo(a,h)anthracene
Concen: 49.514 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.5	17.3
279	23.9	18.3	27.5

Manual Integrations
APPROVED

mohammad
12/31/2019 12:04:04 PM

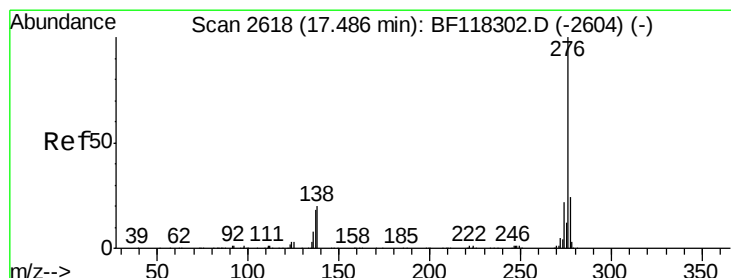
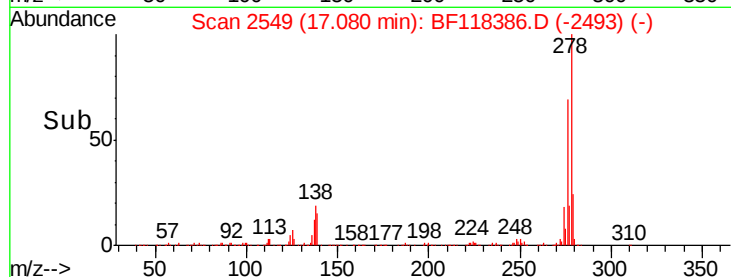
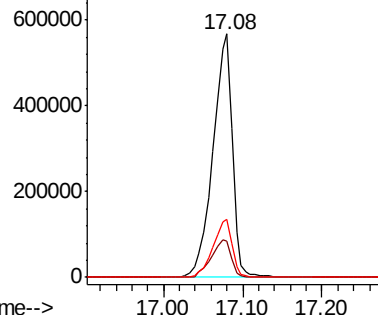


Abundance

Ion 278.00 (277.70 to 278.70): E

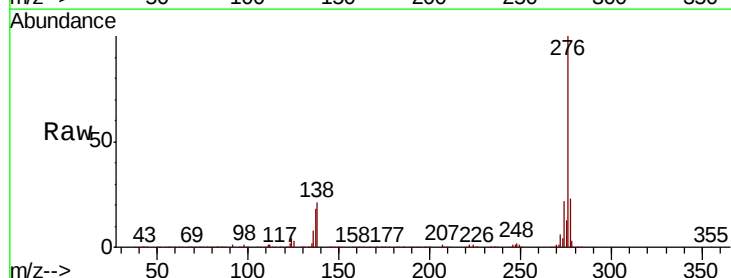
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 50.329 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.04 min
Lab File: BF118386.D
Acq: 30 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	20.7	16.1	24.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

