

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118180.D
 Acq On : 13 Dec 2019 12:21
 Operator : JU
 Sample : PB125387BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Manual Integrations
 APPROVED

mohammad
 12/16/2019 12:25:07 PM

Quant Time: Dec 13 17:51:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	112594	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	460885	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	248287	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	470848	20.00	ng	0.00
76) Chrysene-d12	14.06	240	340735	20.00	ng	0.00
87) Perylene-d12	15.56	264	278934	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	712954	110.90	ng	0.02
7) Phenol-d6	6.50	99	869020	111.76	ng	0.00
23) Nitrobenzene-d5	7.43	82	585853	71.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	325440	107.90	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1228893	75.31	ng	0.00
79) Terphenyl-d14	13.00	244	1484772	74.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	108022	39.851	ng	98
3) Pyridine	3.49	79	260388	37.234	ng	99
4) n-Nitrosodimethylamine	3.43	42	125433	41.693	ng	96
6) Aniline	6.53	93	324051	32.580	ng	99
8) 2-Chlorophenol	6.66	128	317708	43.829	ng	99
9) Benzaldehyde	6.42	77	215063	62.544	ng	93
10) Phenol	6.52	94	376142	42.418	ng	95
11) bis(2-Chloroethyl)ether	6.60	93	268856	41.921	ng	97
12) 1,3-Dichlorobenzene	6.81	146	349909	41.322	ng	97
13) 1,4-Dichlorobenzene	6.89	146	359651	42.179	ng	99
14) 1,2-Dichlorobenzene	7.04	146	336560	42.031	ng	98
15) Benzyl Alcohol	7.01	79	268576	44.249	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	311933	40.452	ng	94
17) 2-Methylphenol	7.13	107	254465	44.137	ng	97
18) Hexachloroethane	7.38	117	129258	41.140	ng	95
19) n-Nitroso-di-n-propylamine	7.28	70	205746	43.546	ng	98
20) 3+4-Methylphenols	7.28	107	319688	44.145	ng	97
22) Acetophenone	7.28	105	430382	38.869	ng	# 97
24) Nitrobenzene	7.45	77	315730	39.226	ng	99
25) Isophorone	7.69	82	571518	41.152	ng	98
26) 2-Nitrophenol	7.77	139	179560	41.738	ng	93
27) 2,4-Dimethylphenol	7.81	122	274030	47.753	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	348708	38.426	ng	100
29) 2,4-Dichlorophenol	8.02	162	269542	40.292	ng	100
30) 1,2,4-Trichlorobenzene	8.10	180	300984	38.499	ng	99
31) Naphthalene	8.18	128	945023	40.828	ng	100
32) Benzoic acid	7.94	122	204271	39.425	ng	97
33) 4-Chloroaniline	8.23	127	187974	18.808	ng	96
34) Hexachlorobutadiene	8.29	225	173682	37.048	ng	97
35) Caprolactam	8.60	113	87383m	42.357	ng	
36) 4-Chloro-3-methylphenol	8.72	107	290509	41.265	ng	98
37) 2-Methylnaphthalene	8.87	142	655725	41.845	ng	99
38) 1-Methylnaphthalene	8.97	142	607483	41.287	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.04	216	283626	37.709	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118180.D
 Acq On : 13 Dec 2019 12:21
 Operator : JU
 Sample : PB125387BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

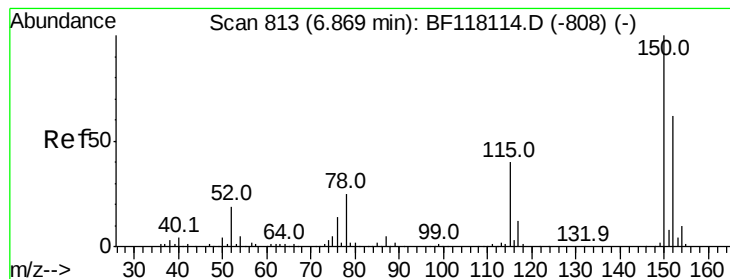
Manual Integrations
 APPROVED

mohammad
 12/16/2019 12:25:07 PM

Quant Time: Dec 13 17:51:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	317755	94.289	nq	97
43) 2,4,6-Trichlorophenol	9.15	196	197325	39.292	nq	97
44) 2,4,5-Trichlorophenol	9.20	196	215545	41.427	nq	94
46) 1,1'-Biphenyl	9.33	154	780200	39.842	nq	99
47) 2-Chloronaphthalene	9.36	162	605613	38.447	nq	98
48) 2-Nitroaniline	9.46	65	172024	38.295	nq	96
49) Acenaphthylene	9.78	152	978933	42.135	nq	99
50) Dimethylphthalate	9.64	163	722932	39.419	nq	99
51) 2,6-Dinitrotoluene	9.70	165	161775	40.567	nq	93
52) Acenaphthene	9.95	154	560660	39.537	nq	98
53) 3-Nitroaniline	9.87	138	108904	23.205	nq	97
54) 2,4-Dinitrophenol	9.99	184	161689	81.497	nq	96
55) Dibenzofuran	10.13	168	858631	41.323	nq	97
56) 4-Nitrophenol	10.05	139	258115	79.251	nq	96
57) 2,4-Dinitrotoluene	10.11	165	220903	41.502	nq	97
58) Fluorene	10.47	166	677317	41.018	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	178360	41.551	nq	99
60) Diethylphthalate	10.34	149	732608	40.545	nq	99
61) 4-Chlorophenyl-phenylether	10.46	204	332009	39.960	nq	95
62) 4-Nitroaniline	10.49	138	167572	34.236	nq	98
63) Azobenzene	10.62	77	630997	40.907	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	113539	43.664	nq	95
66) n-Nitrosodiphenylamine	10.58	169	593686	40.376	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	208692	38.828	nq	# 93
68) Hexachlorobenzene	11.02	284	244786	38.694	nq	96
69) Atrazine	11.11	200	207627	59.917	nq	99
70) Pentachlorophenol	11.22	266	260123	87.434	nq	98
71) Phenanthrene	11.44	178	1010818	40.385	nq	100
72) Anthracene	11.49	178	1055310	42.265	nq	99
73) Carbazole	11.64	167	899133	40.135	nq	99
74) Di-n-butylphthalate	11.97	149	1166415	41.602	nq	99
75) Fluoranthene	12.63	202	1055345	41.240	nq	99
77) Benzidine	12.75	184	433270	48.303	nq	98
78) Pyrene	12.86	202	1060083	39.480	nq	99
80) Butylbenzylphthalate	13.47	149	479478	39.429	nq	99
81) Benzo(a)anthracene	14.06	228	913803	38.785	nq	99
82) 3,3'-Dichlorobenzidine	14.02	252	221938	28.682	nq	99
83) Chrysene	14.09	228	853095	37.906	nq	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	657661	41.014	nq	98
85) Di-n-octyl phthalate	14.65	149	1027906	42.318	nq	100
86) Indeno(1,2,3-cd)pyrene	17.07	276	638293	33.707	nq	100
88) Benzo(b)fluoranthene	15.12	252	746212	40.450	nq	97
89) Benzo(k)fluoranthene	15.15	252	718495	40.542	nq	99
90) Benzo(a)pyrene	15.49	252	635494	39.004	nq	98
91) Dibenzo(a,h)anthracene	17.09	278	537817	38.485	nq	99
92) Benzo(g,h,i)perylene	17.53	276	520091	38.730	nq	99

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



#1

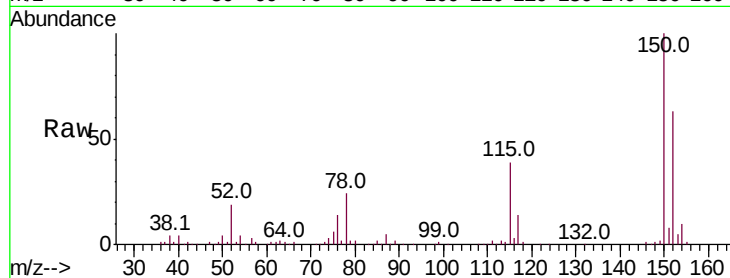
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.3	192.5
115	61.2	51.1	76.7

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

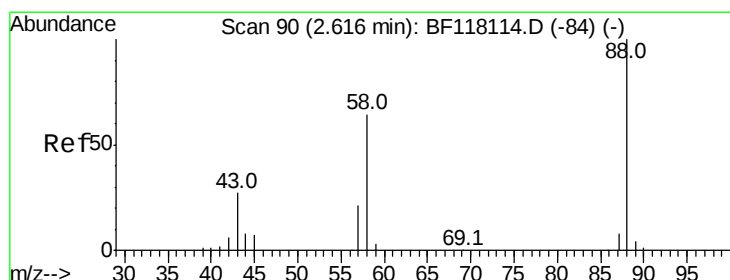
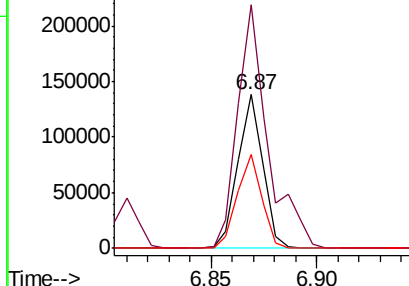
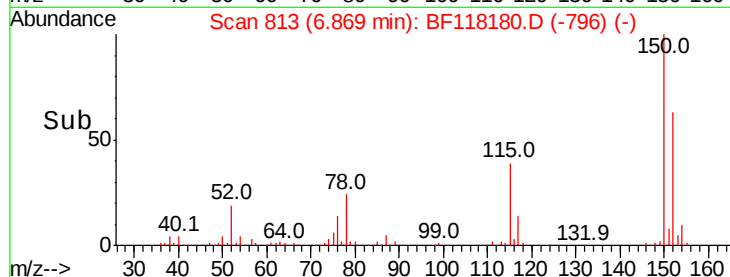


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

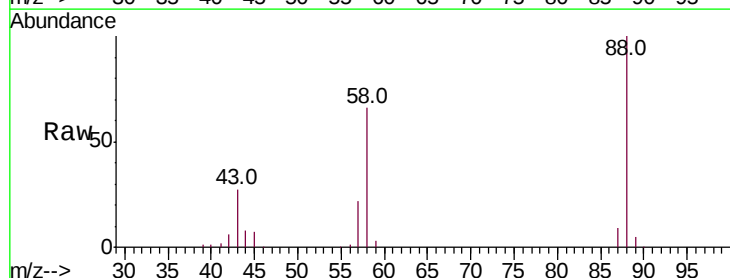
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 39.851 ng
RT: 2.73 min Scan# 109
Delta R.T. 0.11 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.9	52.2	78.4
43	28.6	21.4	32.2

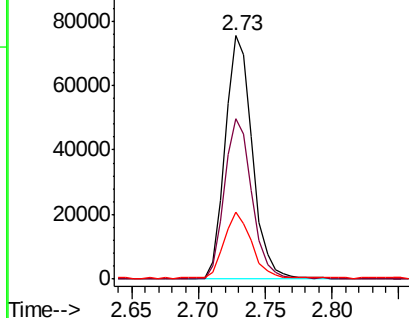
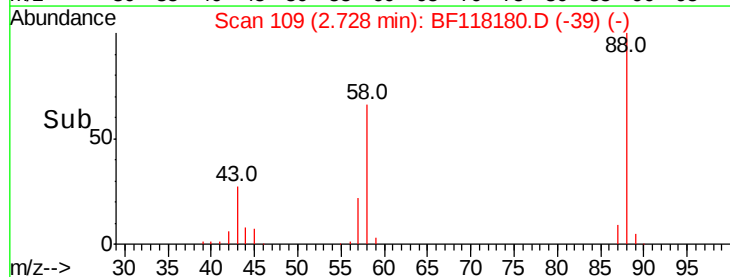


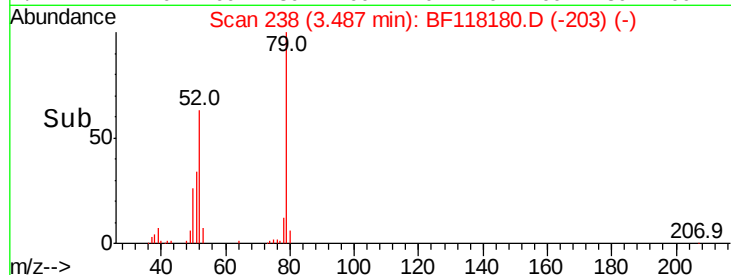
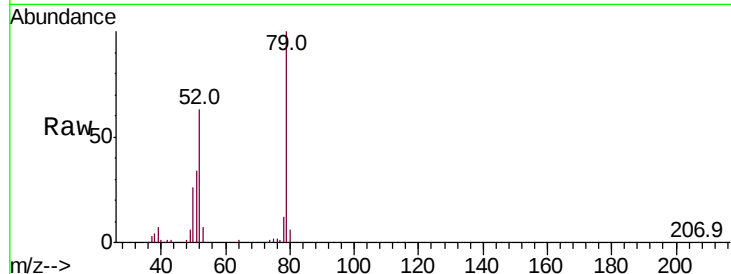
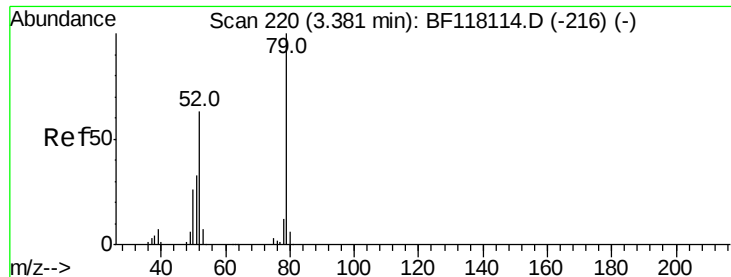
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





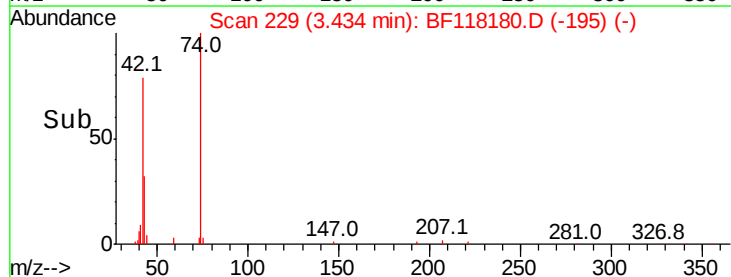
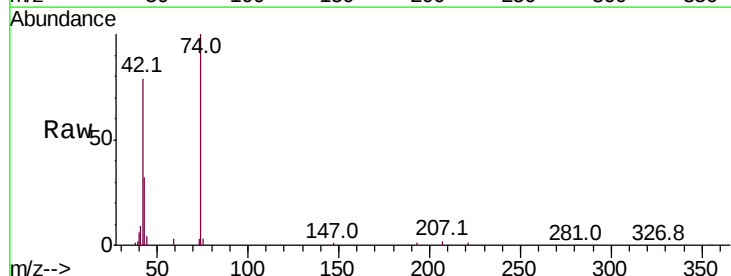
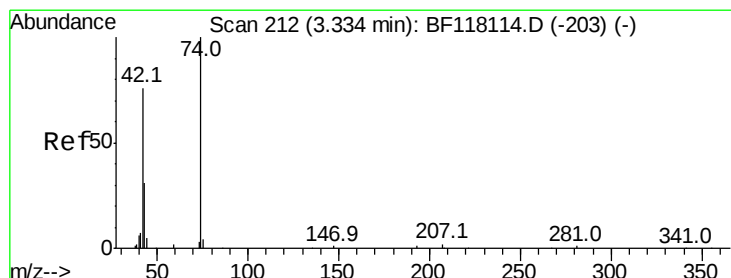
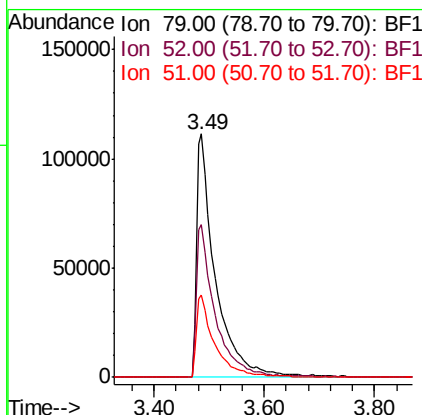
#3
Pvridine
Concen: 37.234 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.11 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tot Ion	Ratio	Lower	Upper
79	100		
52	63.0	50.7	76.1
51	33.7	26.4	39.6

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

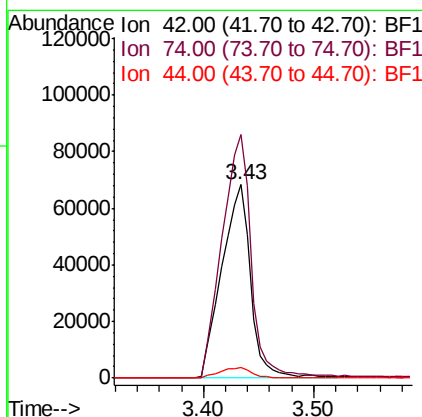
Manual Integrations
APPROVED

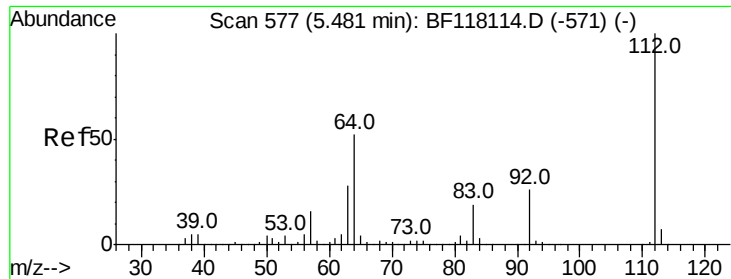
mohammad
12/16/2019 12:25:07 PM



#4
n-Nitrosodimethylamine
Concen: 41.693 ng
RT: 3.43 min Scan# 229
Delta R.T. 0.10 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
42	100		
74	126.0	104.6	157.0
44	5.4	5.1	7.7





#5

2-Fluorophenol

Concen: 110.904 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.02 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

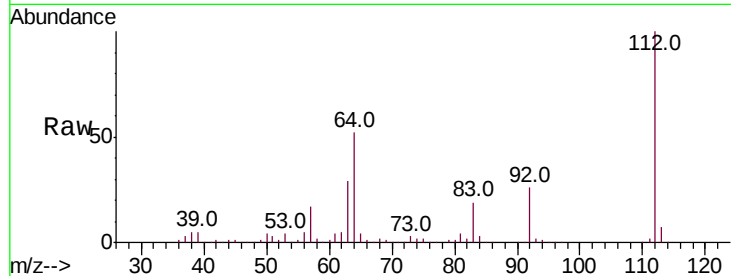
ClientSampleId :

PB125387BSD

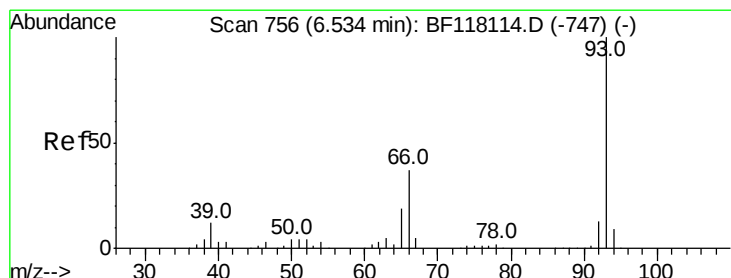
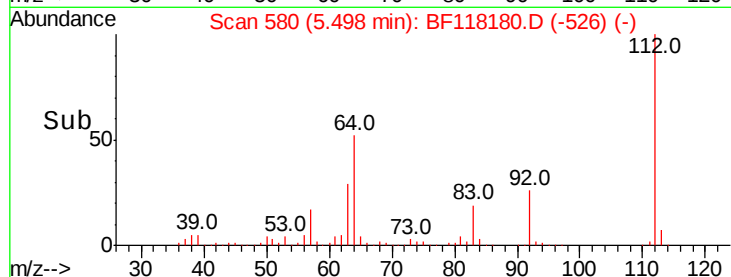
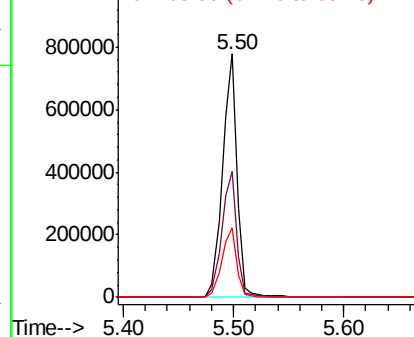
Tot Ion:	112	Resp:	712954
Ion Ratio	Lower	Upper	
112	100		
64	51.5	41.3	61.9
63	28.8	22.4	33.6

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 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: 32.580 ng

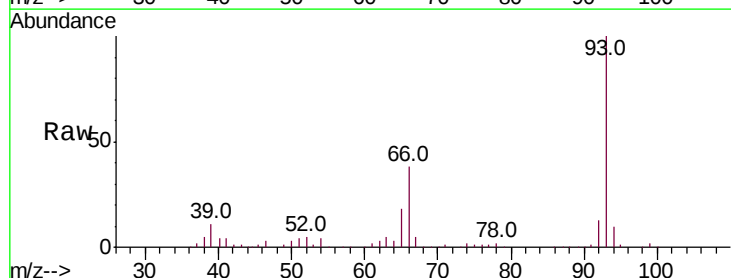
RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

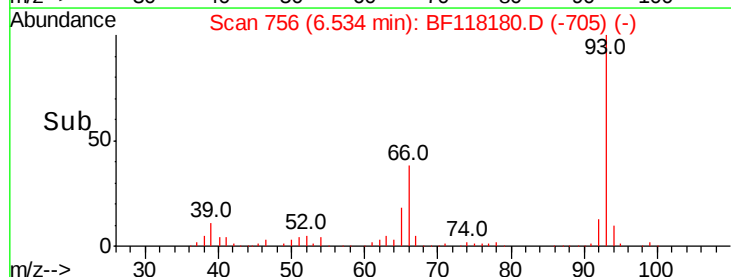
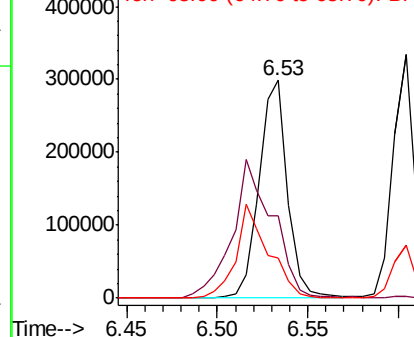
Lab File: BF118180.D

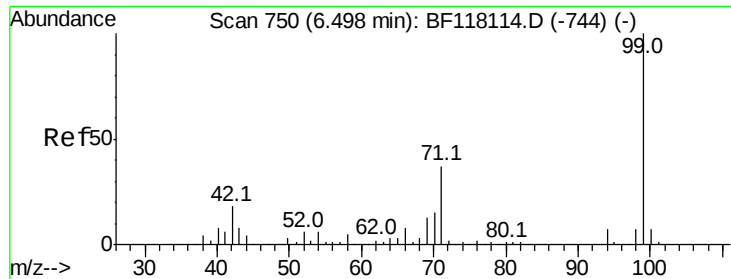
Acq: 13 Dec 2019 12:21

Tgt Ion:	93	Resp:	324051
Ion Ratio	Lower	Upper	
93	100		
66	37.7	30.2	45.2
65	18.3	15.5	23.3



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: 111.763 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

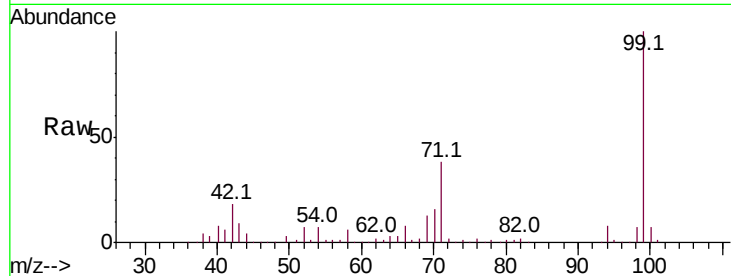
ClientSampleId :

PB125387BSD

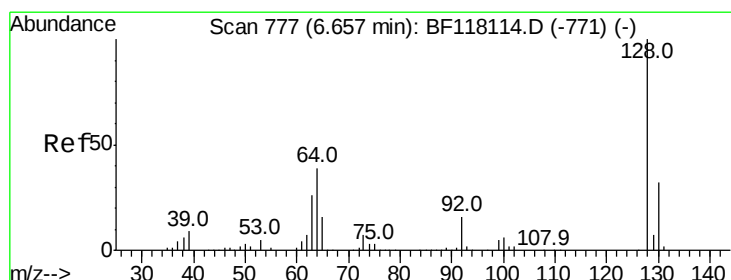
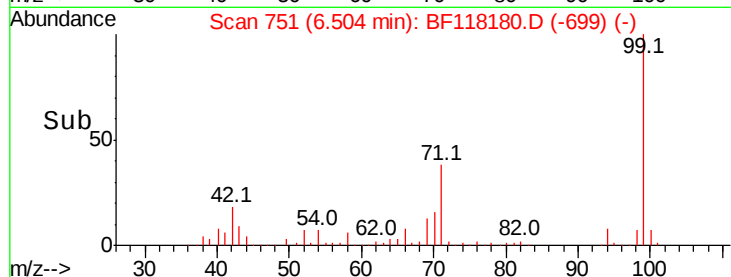
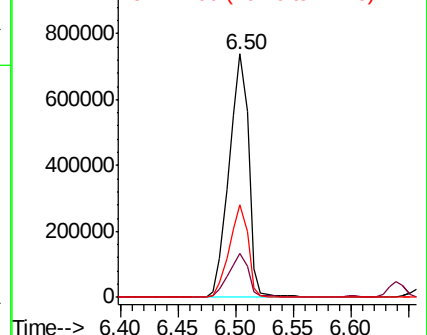
Tot Ion:	99	Resp:	869020
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.1	21.1
71	38.0	29.7	44.5

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 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: 43.829 ng

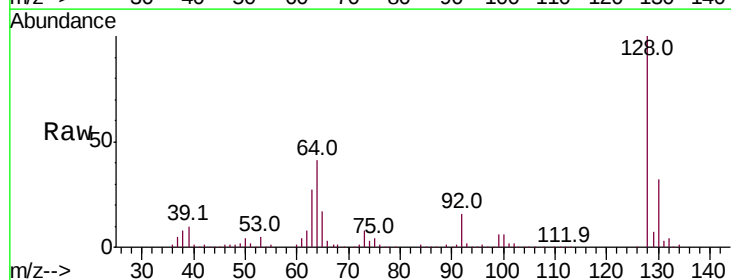
RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

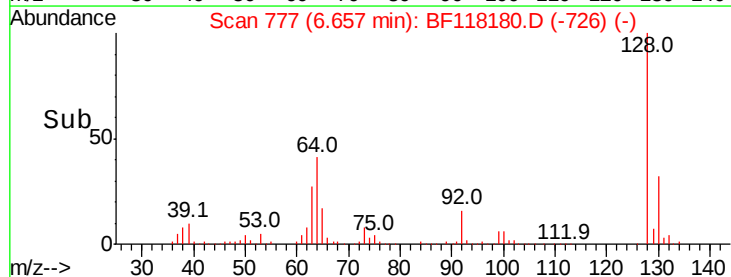
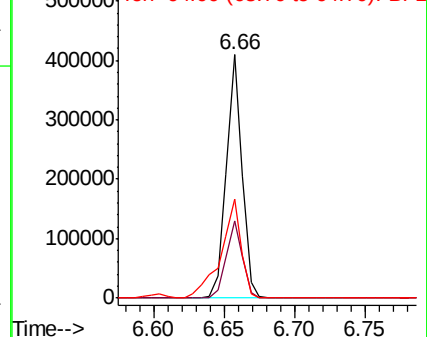
Lab File: BF118180.D

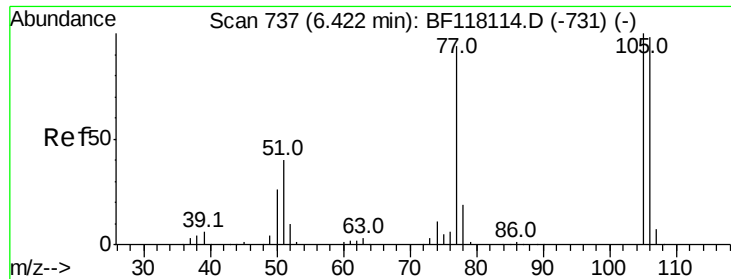
Acq: 13 Dec 2019 12:21

Tgt Ion:	128	Resp:	317708
Ion Ratio	Lower	Upper	
128	100		
130	31.8	12.1	52.1
64	40.7	19.3	59.3



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: 62.544 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

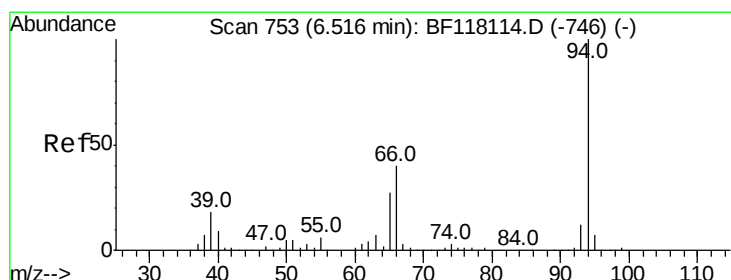
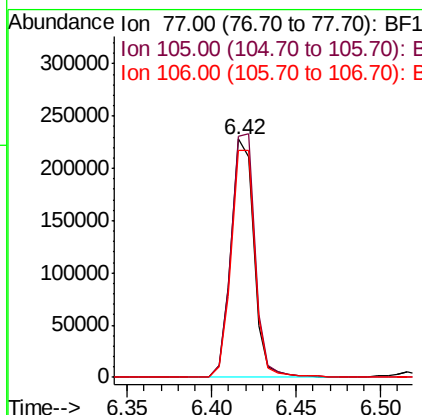
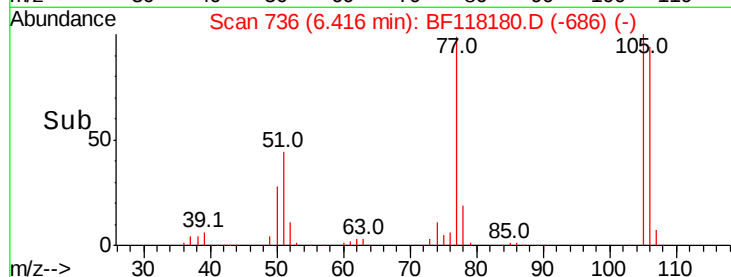
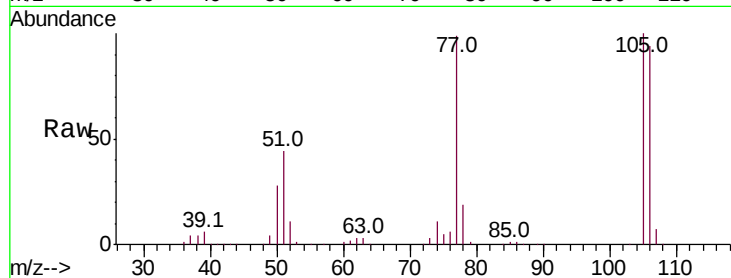
ClientSampleId :

PB125387BSD

Tot Ion:	77	Resp:	215063
Ion	Ratio	Lower	Upper
77	100		
105	101.3	86.4	126.4
106	95.3	83.8	123.8

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#10

Phenol

Concen: 42.418 ng

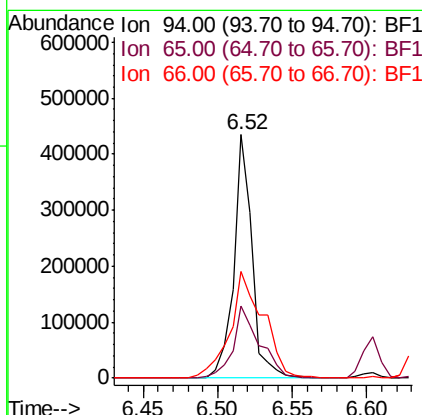
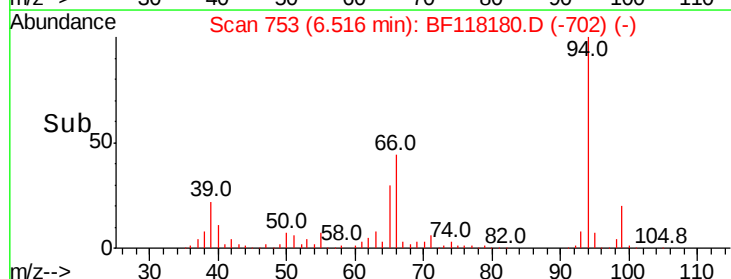
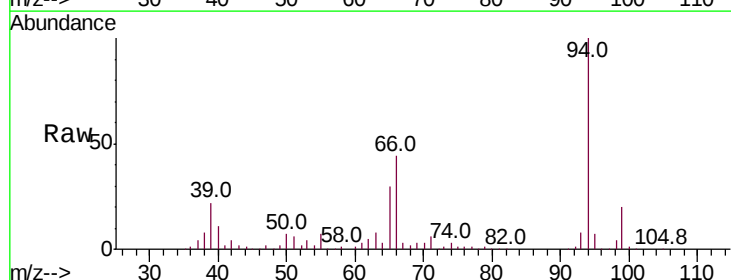
RT: 6.52 min Scan# 753

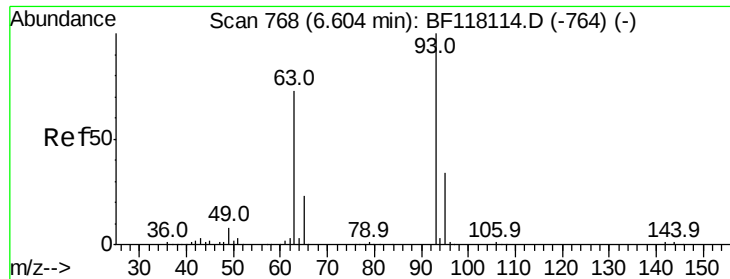
Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	94	Resp:	376142
Ion	Ratio	Lower	Upper
94	100		
65	29.7	7.3	47.3
66	43.8	20.2	60.2





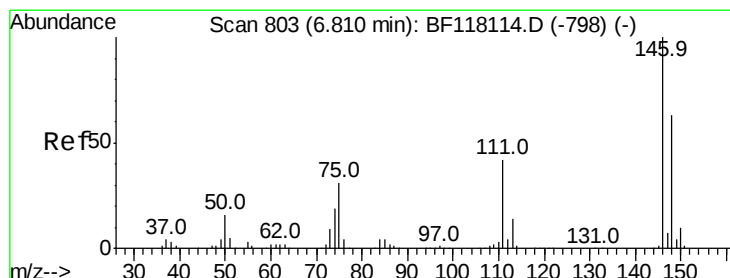
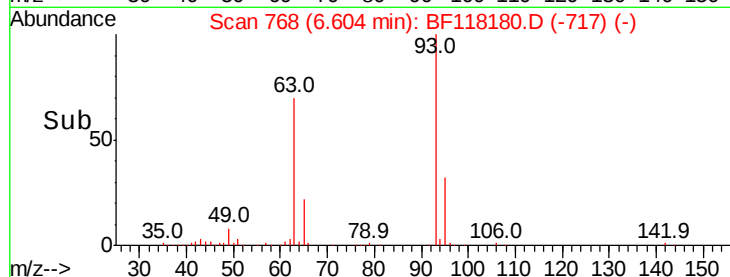
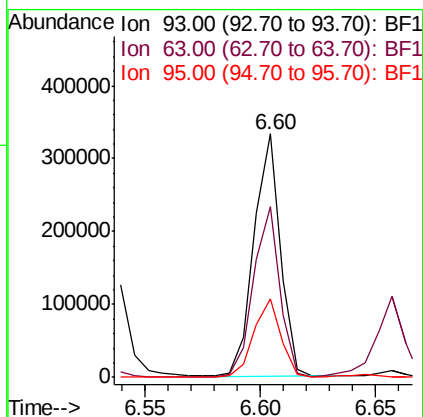
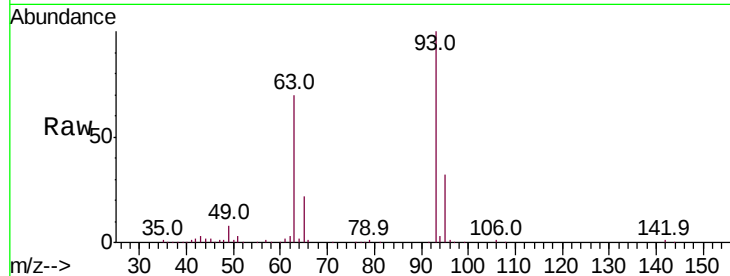
#11
bis(2-Chloroethyl)ether
Concen: 41.921 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	268856		
63	70.2	53.2	93.2	
95	32.2	13.8	53.8	

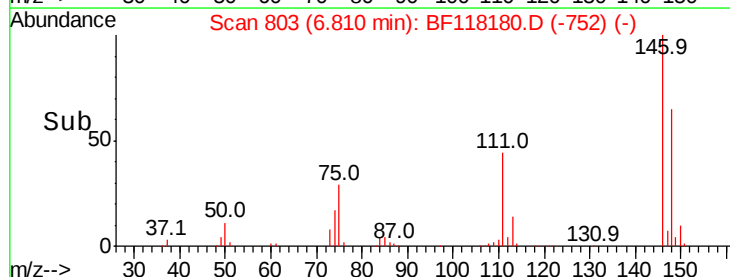
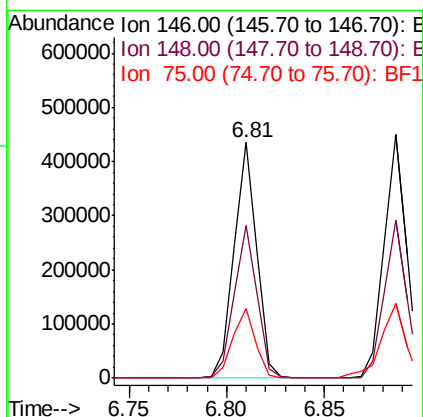
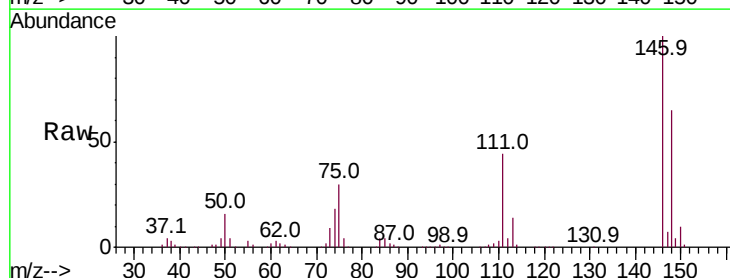
Manual Integrations
APPROVED

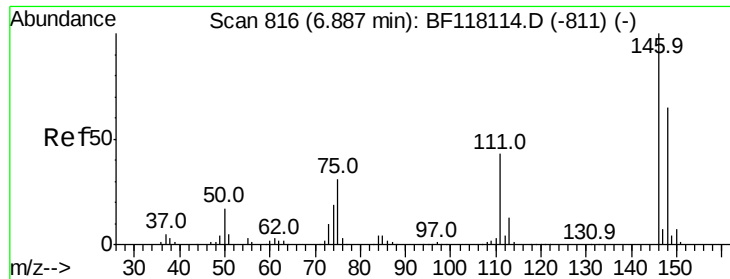
mohammad
12/16/2019 12:25:07 PM



#12
1,3-Dichlorobenzene
Concen: 41.322 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	349909		
148	65.1	50.2	75.4	
75	29.5	24.6	37.0	





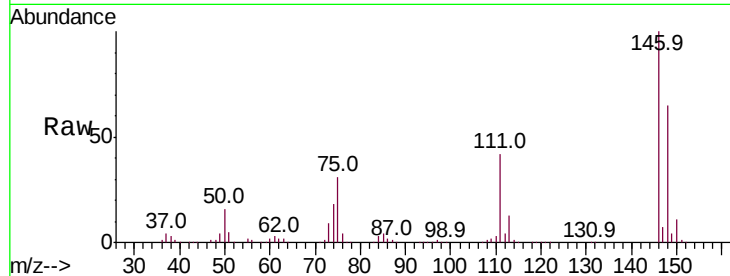
#13
1,4-Dichlorobenzene
Concen: 42.179 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

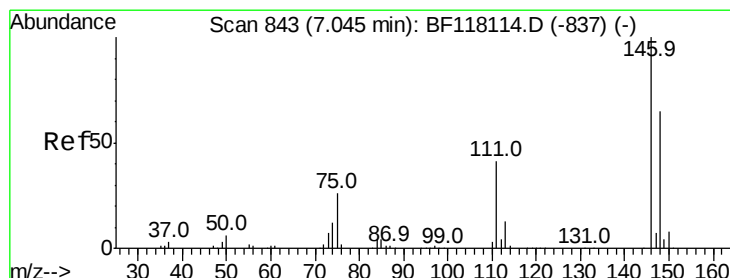
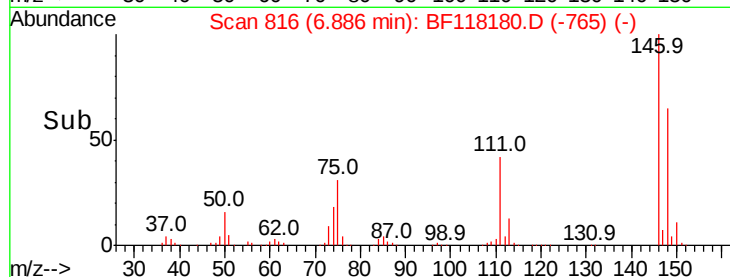
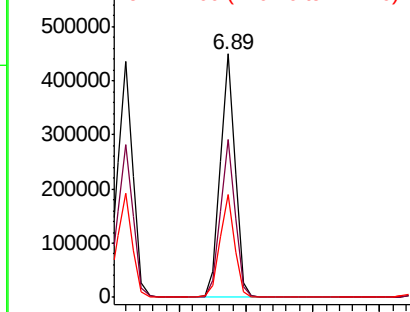
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.1	78.1
111	42.3	34.6	52.0

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

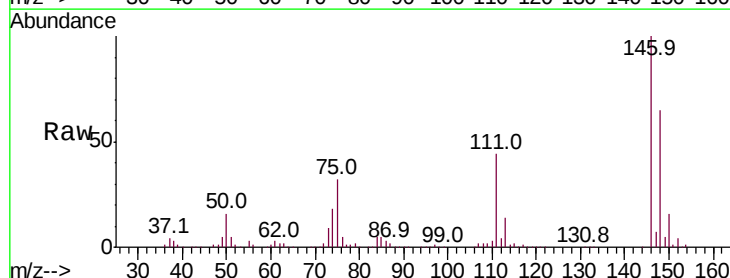


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

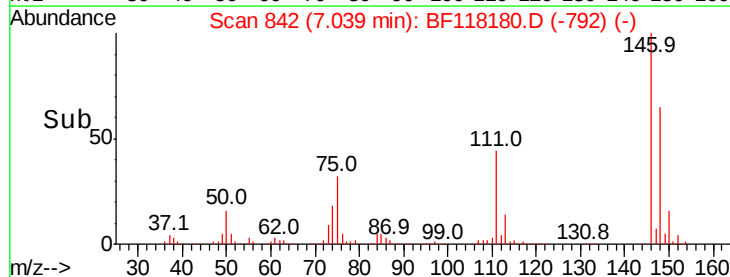
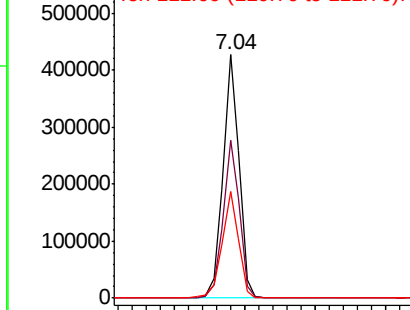


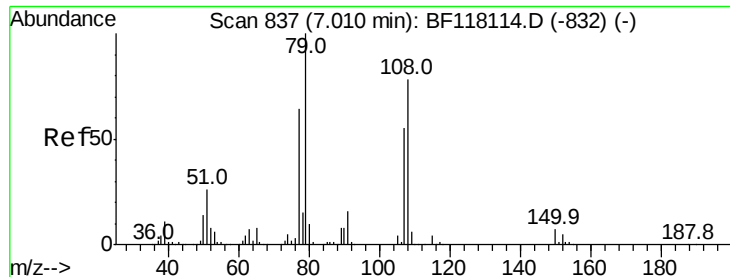
#14
1,2-Dichlorobenzene
Concen: 42.031 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.2	78.2
111	43.9	33.1	49.7



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: 44.249 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

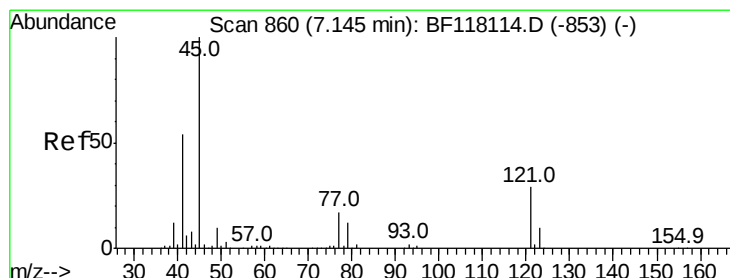
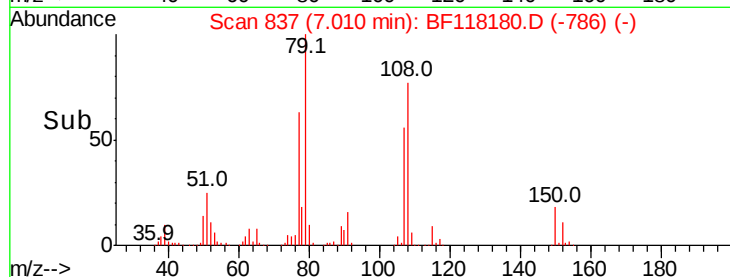
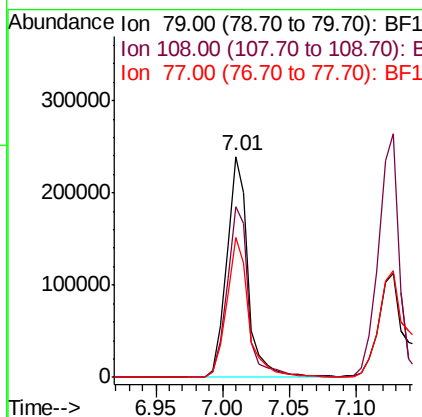
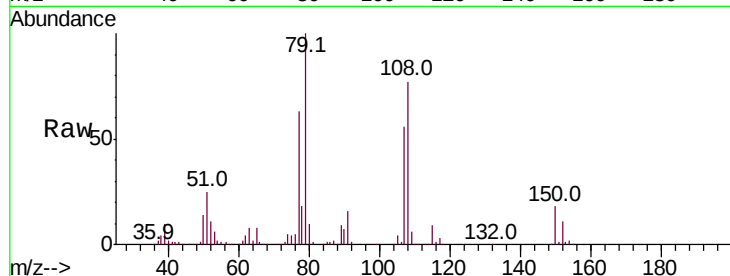
ClientSampleId :

PB125387BSD

Tot Ion:	79	Resp:	268576
Ion Ratio	Lower	Upper	
79	100		
108	77.3	62.7	94.1
77	63.3	51.4	77.2

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.452 ng

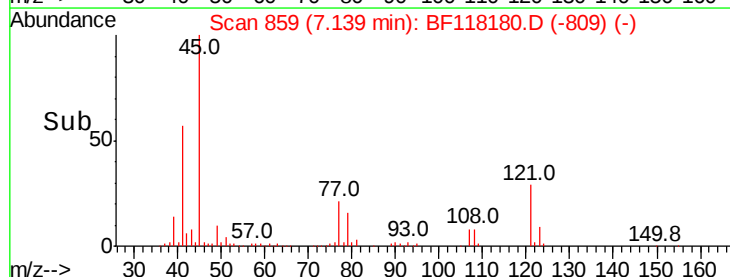
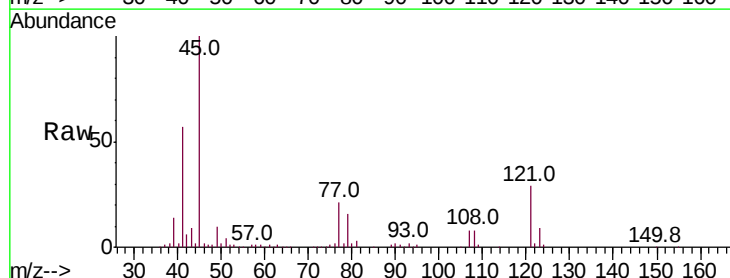
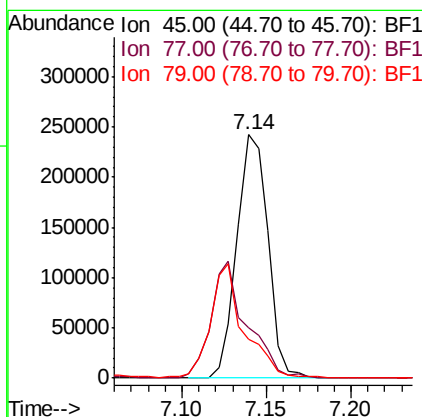
RT: 7.14 min Scan# 859

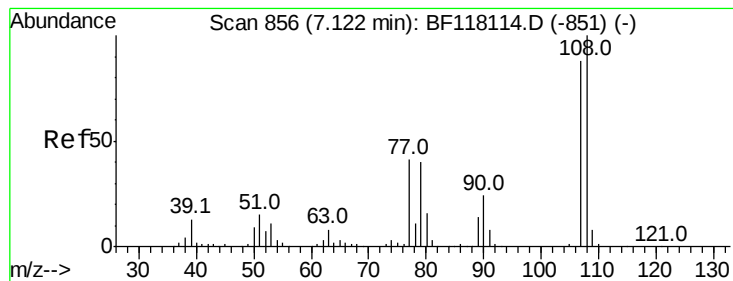
Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	45	Resp:	311933
Ion Ratio	Lower	Upper	
45	100		
77	20.7	0.0	38.0
79	15.9	0.0	33.2





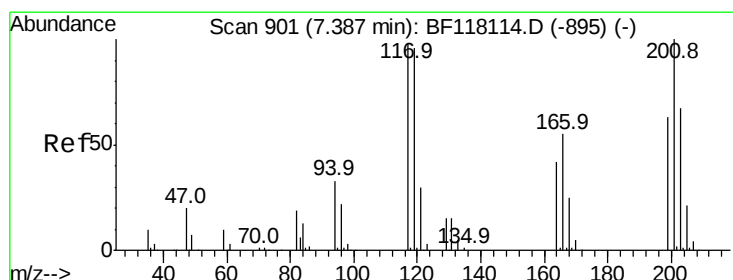
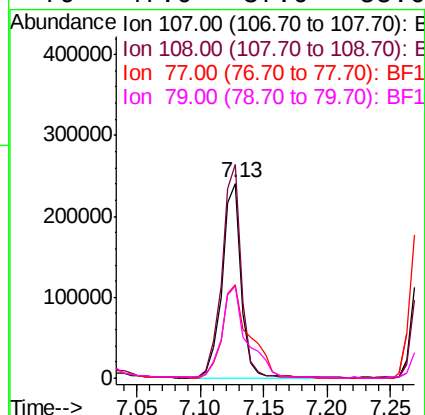
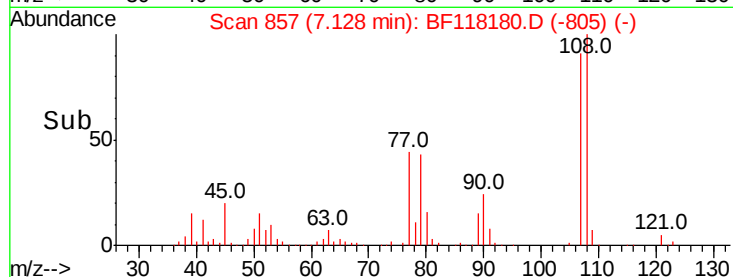
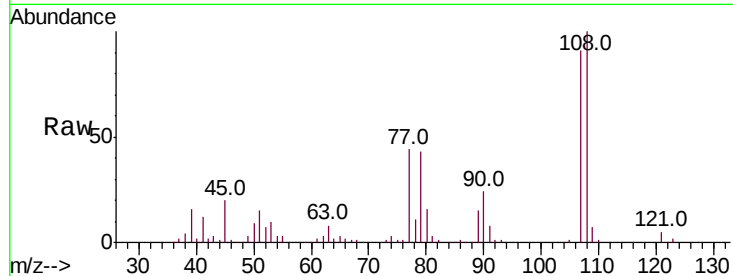
#17
2-Methylphenol
Concen: 44.137 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.6	91.1	136.7	
77	48.1	37.8	56.6	
79	47.0	37.0	55.6	

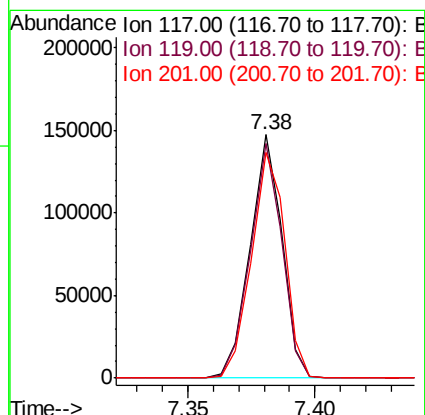
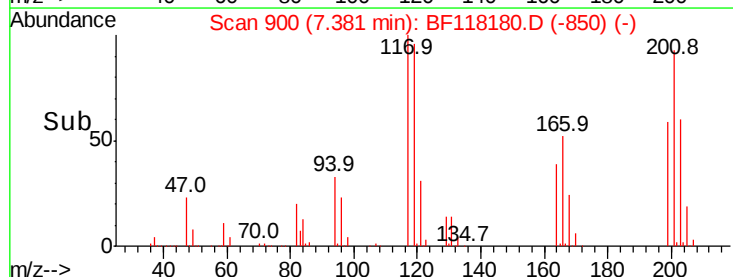
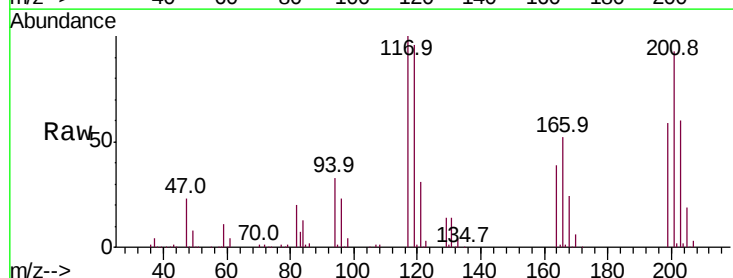
Manual Integrations
APPROVED

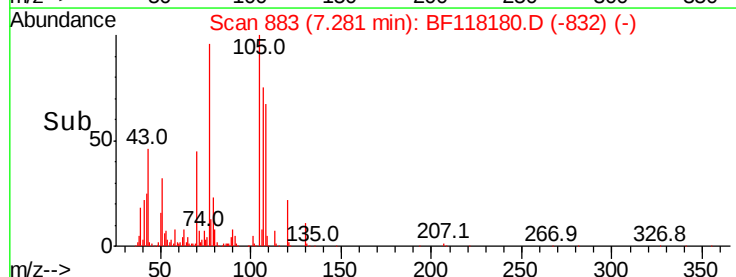
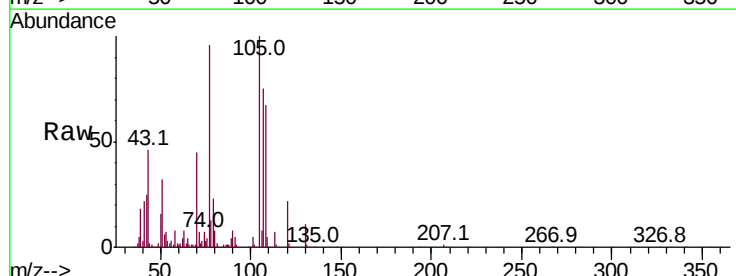
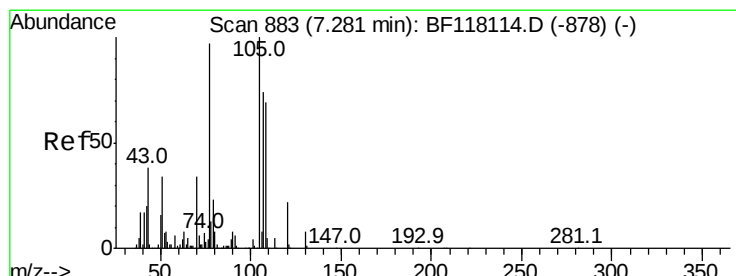
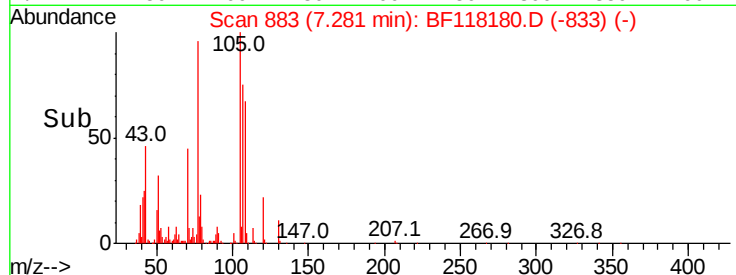
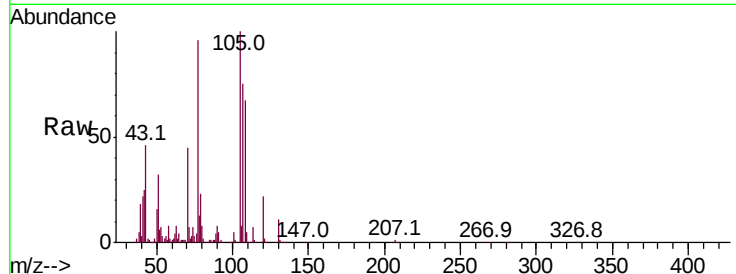
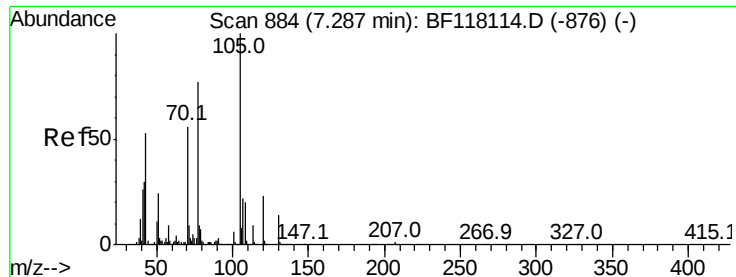
mohammad
12/16/2019 12:25:07 PM



#18
Hexachloroethane
Concen: 41.140 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	78.2	117.4	
201	92.7	81.6	122.4	





#19

n-Nitroso-di-n-propylamine

Concen: 43.546 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF118180.D

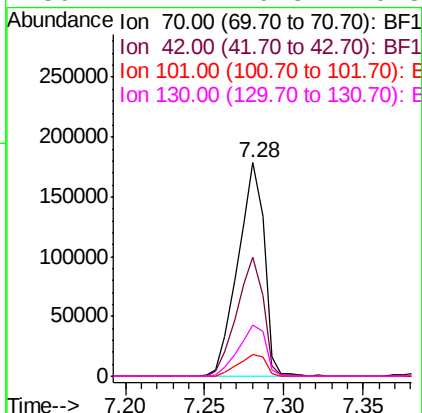
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	55.8	43.2	64.8		
101	10.2	8.1	12.1		
130	24.1	19.8	29.8		

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#20

3+4-Methylphenols

Concen: 44.145 ng

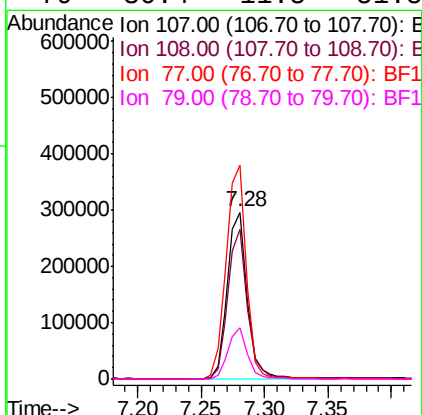
RT: 7.28 min Scan# 883

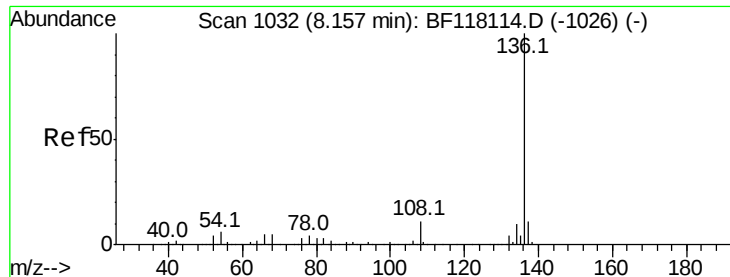
Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.5	73.2	113.2		
77	127.9	110.9	150.9		
79	30.4	11.5	51.5		





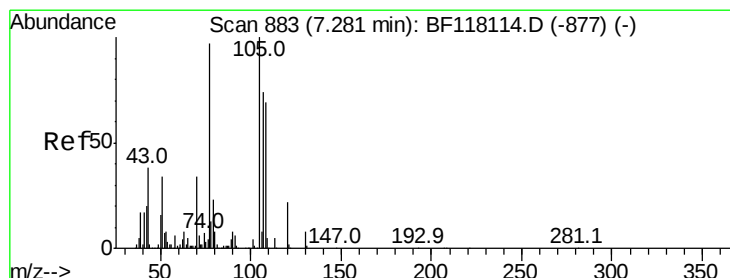
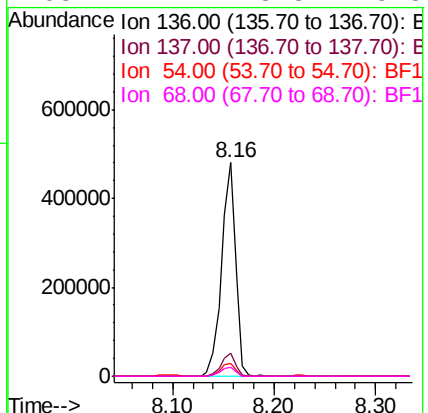
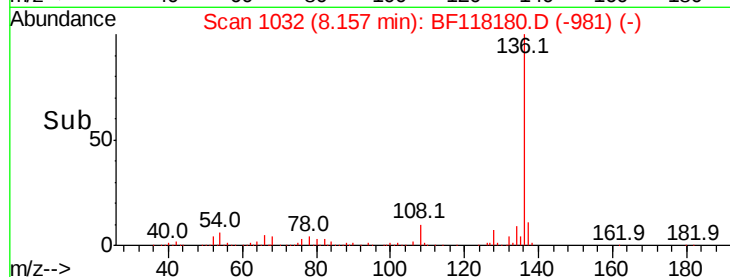
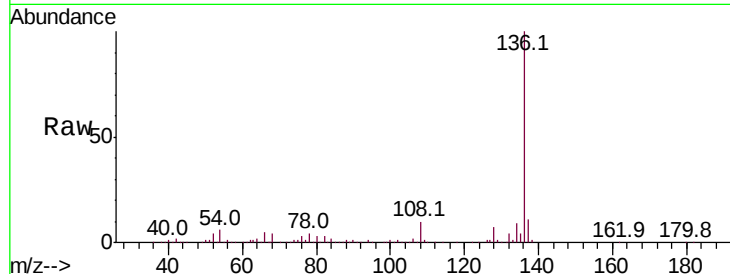
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.0	13.6	
54	6.0	5.0	7.6	
68	4.2	3.8	5.8	

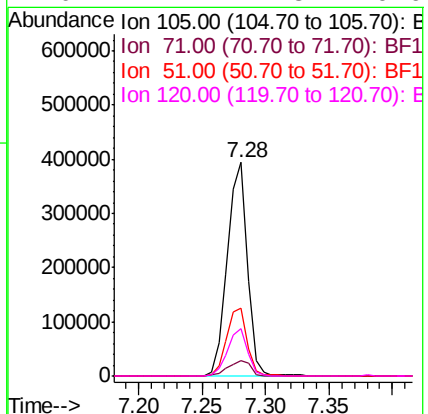
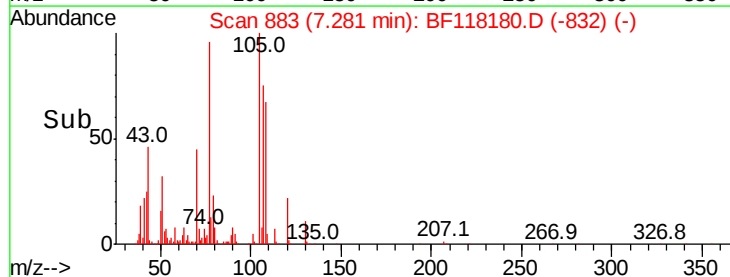
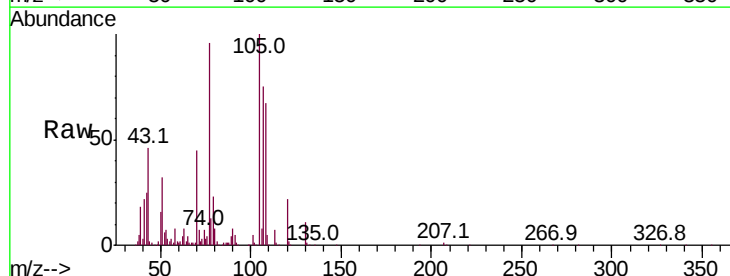
Manual Integrations
APPROVED

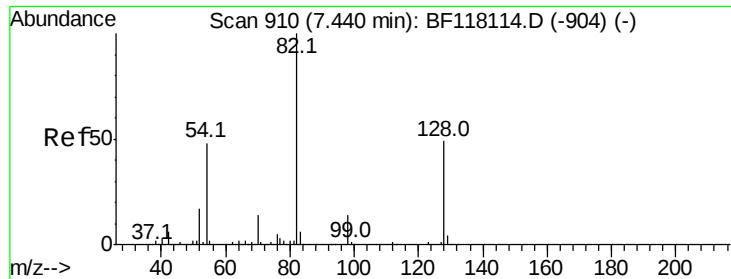
mohammad
12/16/2019 12:25:07 PM



#22
Acetophenone
Concen: 38.869 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.4	4.7	7.1#	
51	31.8	27.1	40.7	
120	22.4	17.8	26.6	





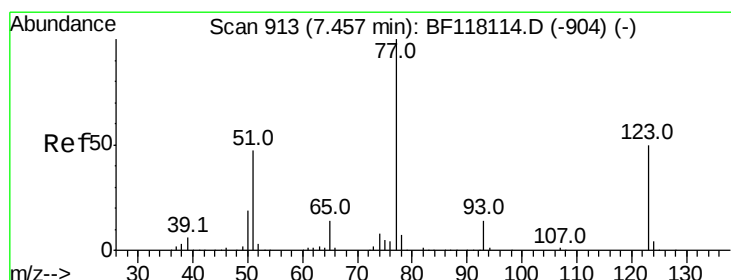
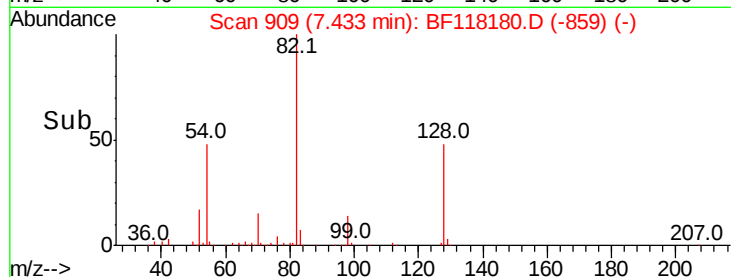
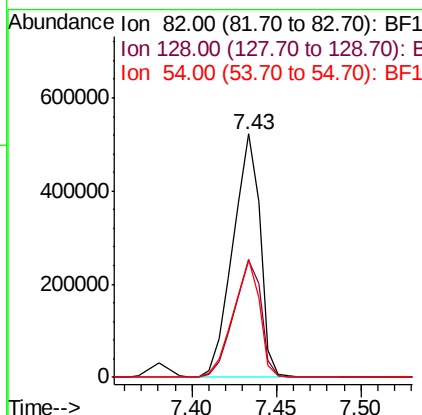
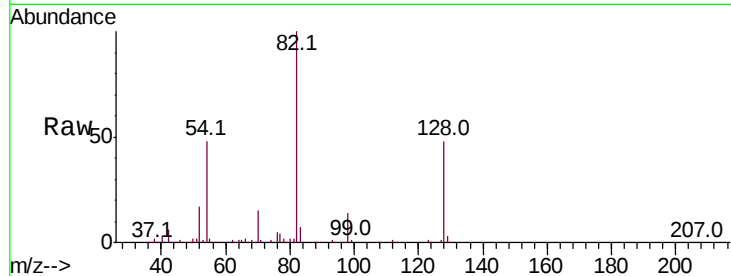
#23
Nitrobenzene-d5
Concen: 71.512 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	39.1	58.7
54	48.3	38.2	57.2

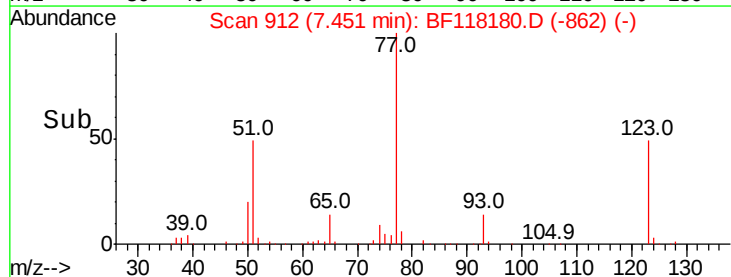
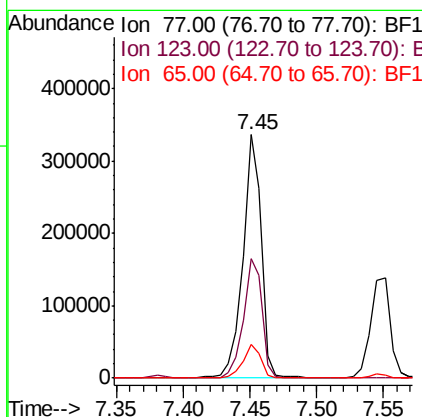
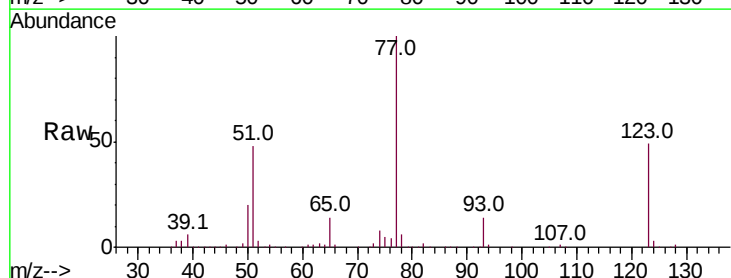
Manual Integrations
APPROVED

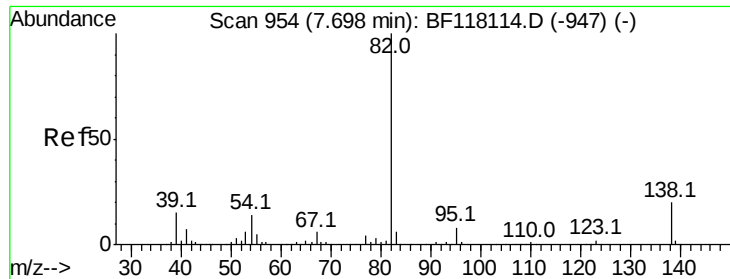
mohammad
12/16/2019 12:25:07 PM



#24
Nitrobenzene
Concen: 39.226 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	40.1	60.1
65	13.7	10.9	16.3





#25

Isophorone

Concen: 41.152 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

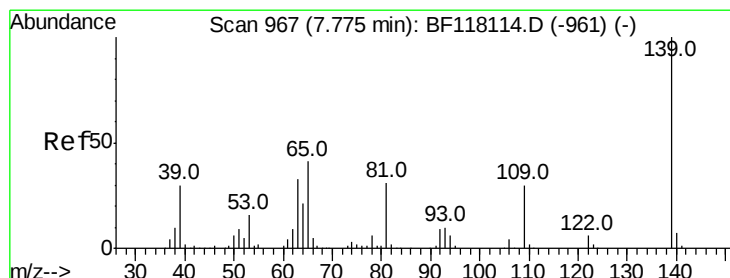
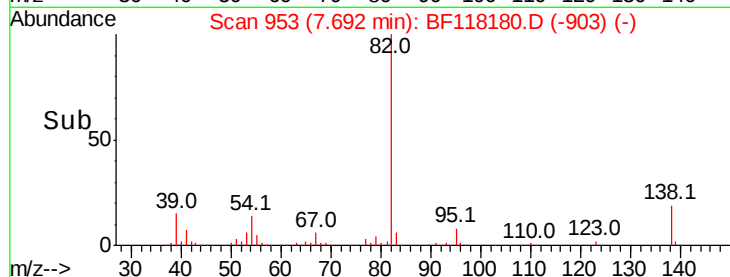
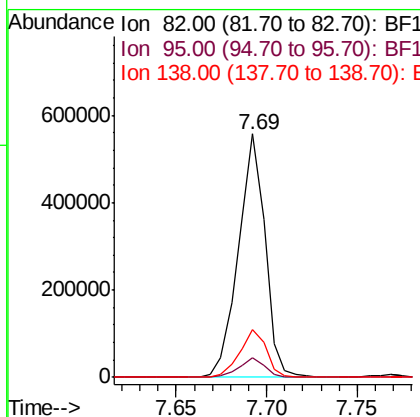
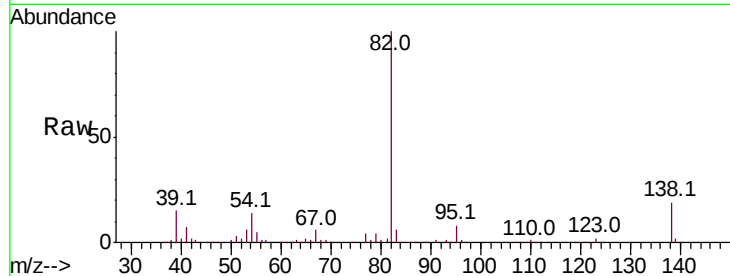
ClientSampleId :

PB125387BSD

Tot Ion:	82	Resp:	571518
Ion Ratio	Lower	Upper	
82	100		
95	7.8	6.3	9.5
138	19.4	16.3	24.5

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#26

2-Nitrophenol

Concen: 41.738 ng

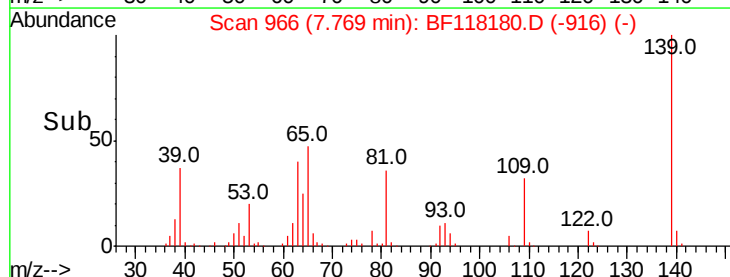
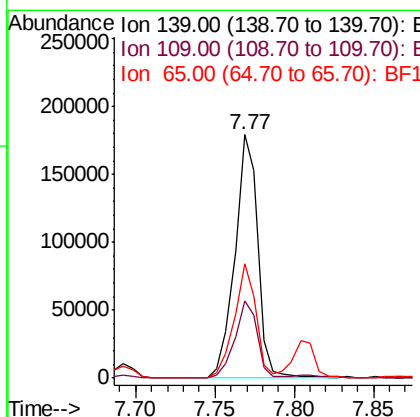
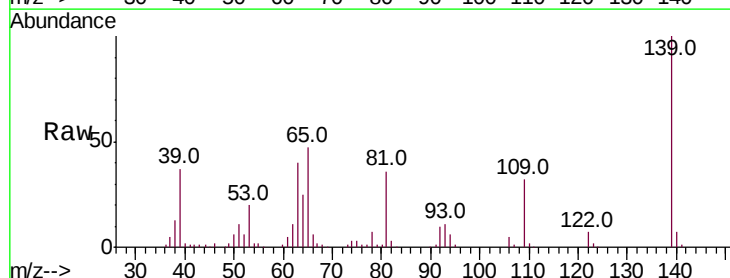
RT: 7.77 min Scan# 966

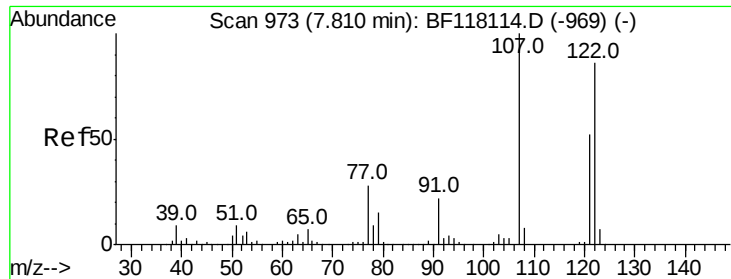
Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	139	Resp:	179560
Ion Ratio	Lower	Upper	
139	100		
109	31.9	23.9	35.9
65	46.9	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 47.753 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

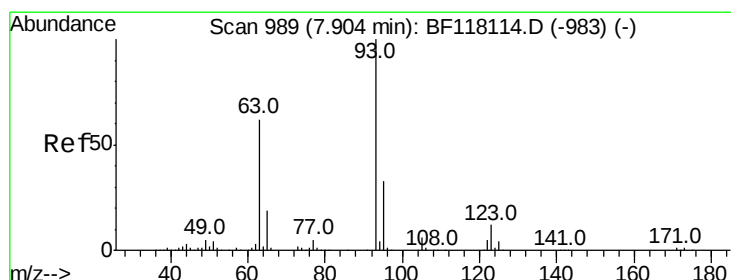
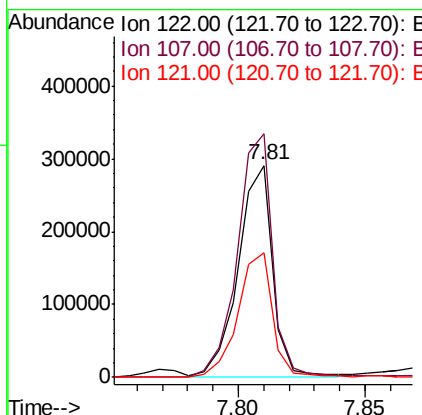
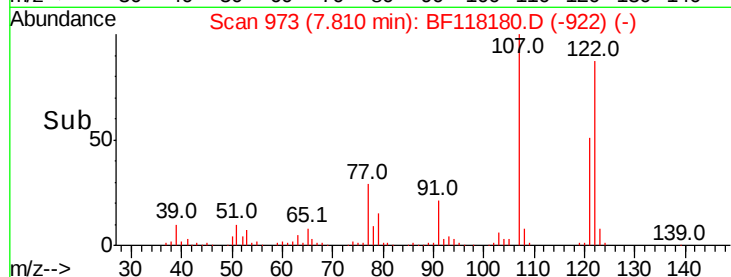
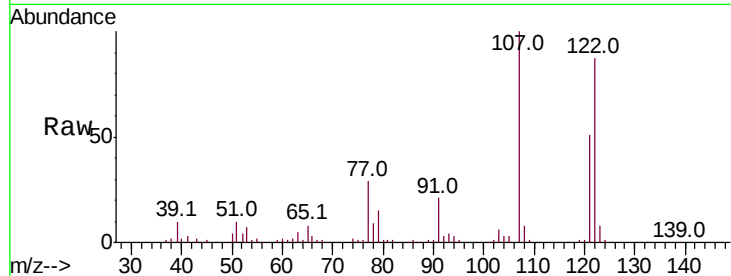
ClientSampleId :

PB125387BSD

Tot Ion:	122	Resp:	274030
Ion Ratio	Lower	Upper	
122	100		
107	115.1	92.9	139.3
121	58.9	48.3	72.5

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#28

bis(2-Chloroethoxy)methane

Concen: 38.426 ng

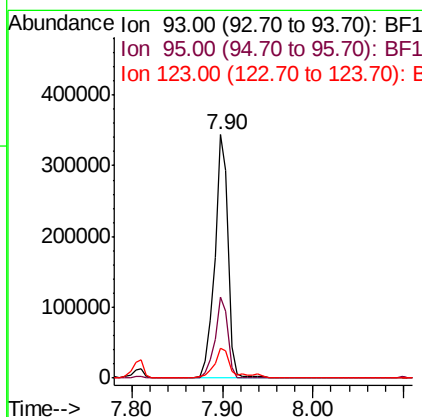
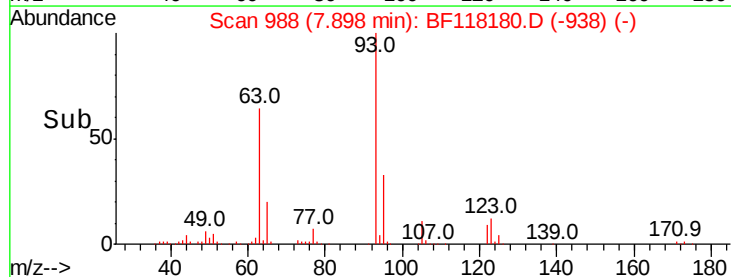
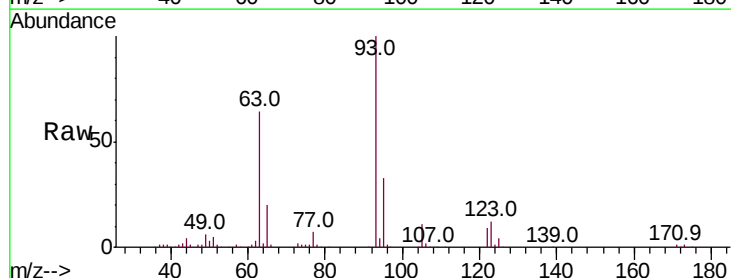
RT: 7.90 min Scan# 988

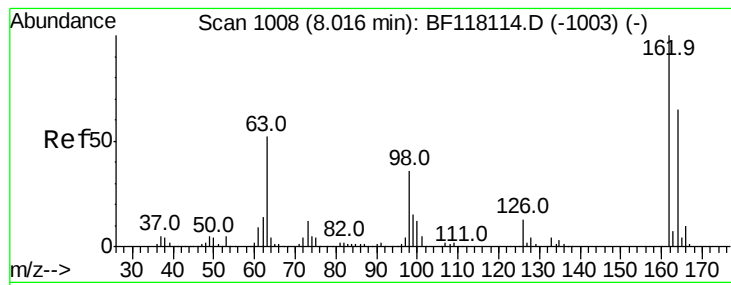
Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	93	Resp:	348708
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.7	40.1
123	12.4	10.0	15.0





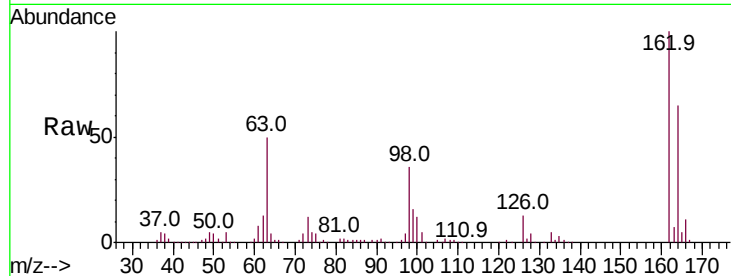
#29
2,4-Dichlorophenol
Concen: 40.292 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

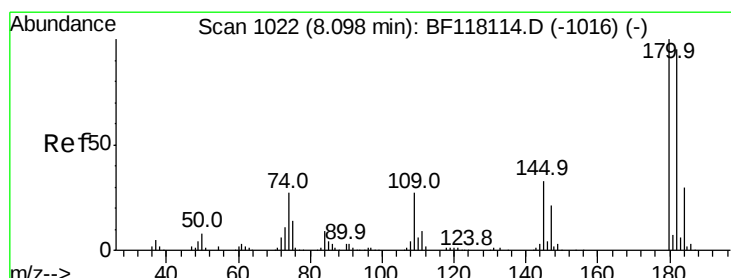
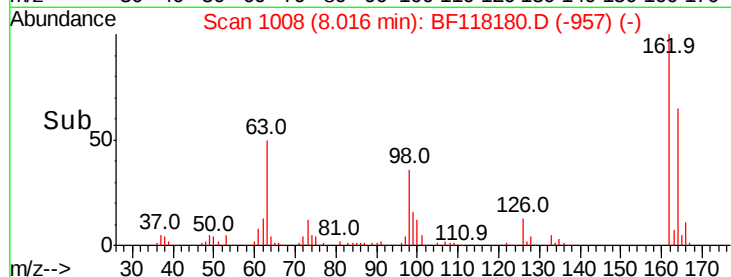
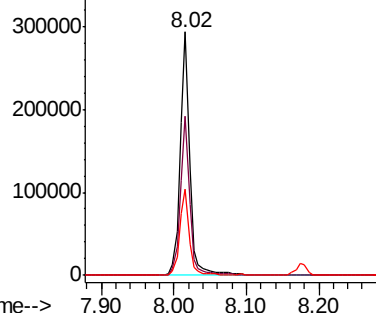
Tot Ion	Ratio	Resp	Lower	Upper
162	100	269542		
164	65.2	45.2	85.2	
98	35.5	15.9	55.9	

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

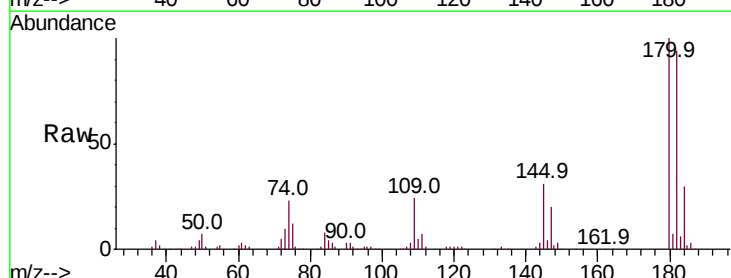


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

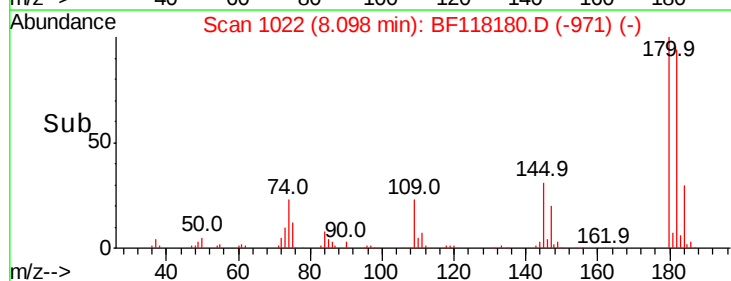
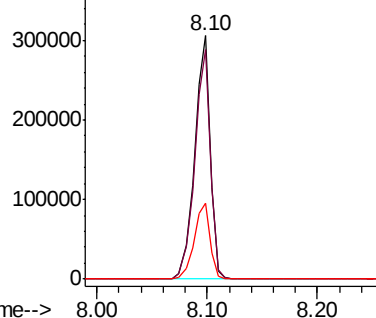


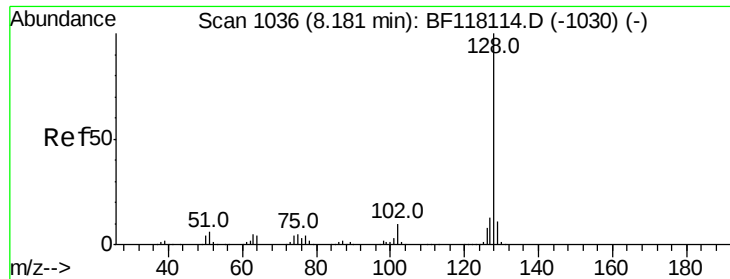
#30
1,2,4-Trichlorobenzene
Concen: 38.499 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	300984		
182	94.3	76.1	114.1	
145	31.0	26.1	39.1	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





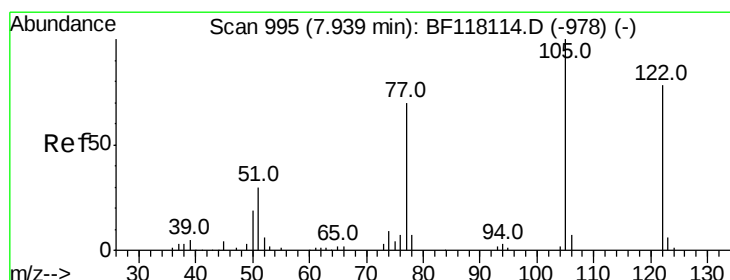
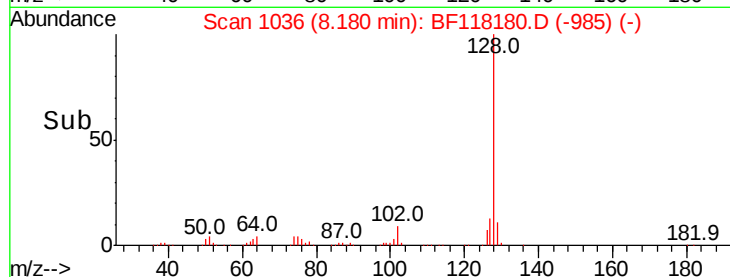
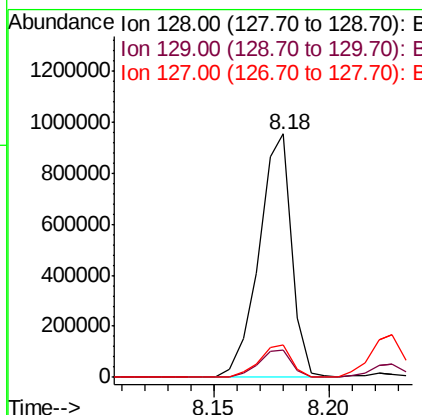
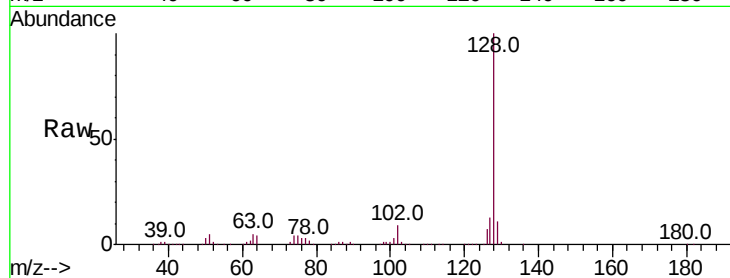
#31
Naphthalene
Concen: 40.828 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	945023		
129	11.0		9.1	13.7
127	13.3		10.6	16.0

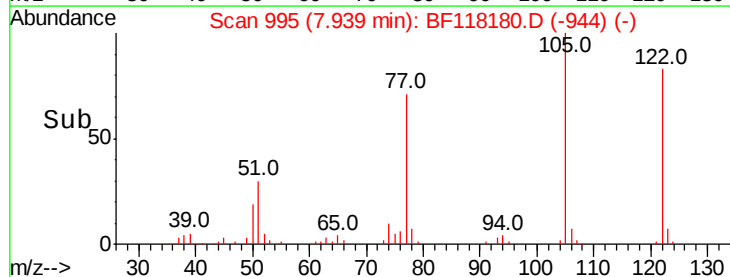
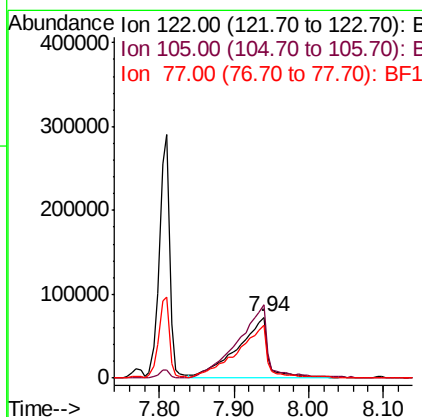
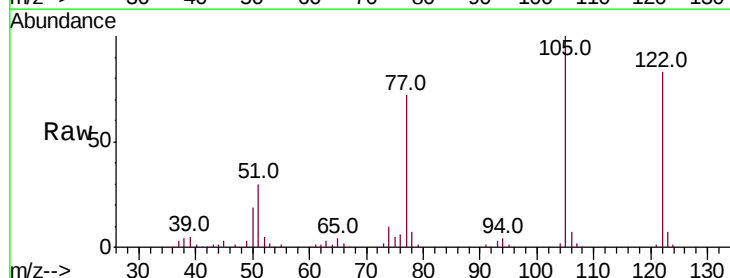
Manual Integrations
APPROVED

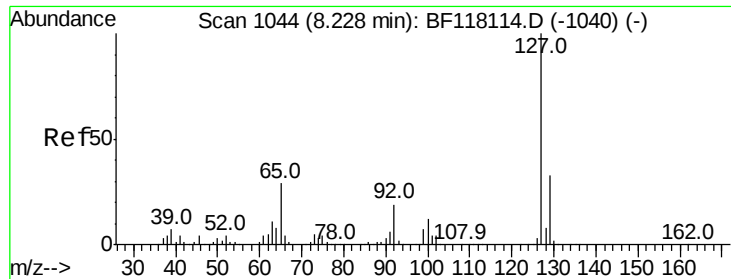
mohammad
12/16/2019 12:25:07 PM



#32
Benzoic acid
Concen: 39.425 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	204271		
105	120.2		104.7	144.7
77	86.5		69.1	109.1





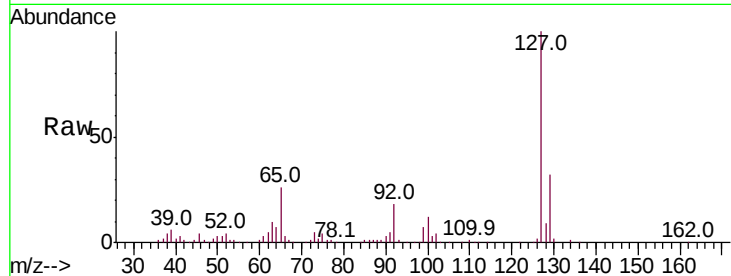
#33
 4-Chloroaniline
 Concen: 18.808 ng
 RT: 8.23 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

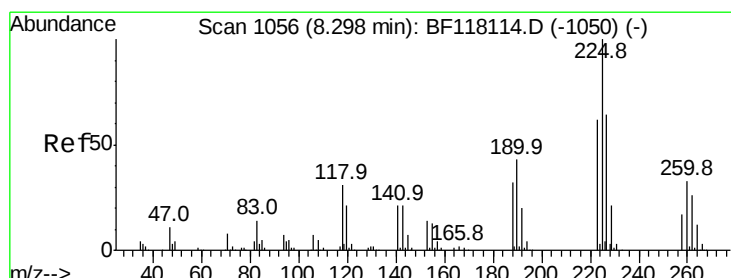
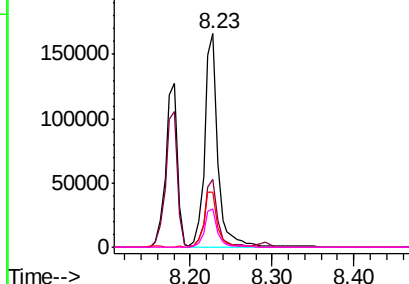
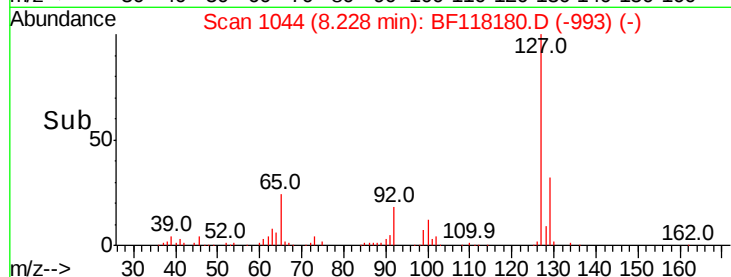
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.5	26.6	40.0		
65	25.7	23.2	34.8		
92	17.9	15.4	23.0		

Manual Integrations
 APPROVED

mohammad
 12/16/2019 12:25:07 PM

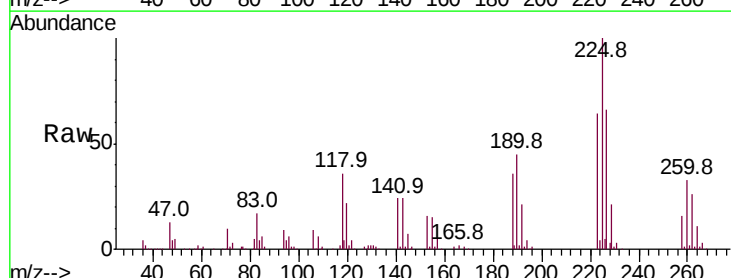


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

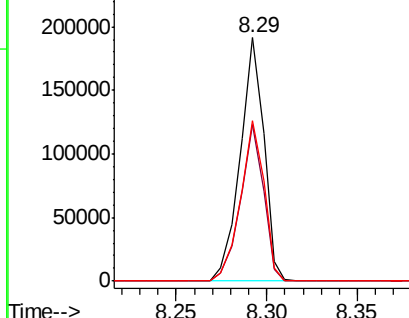
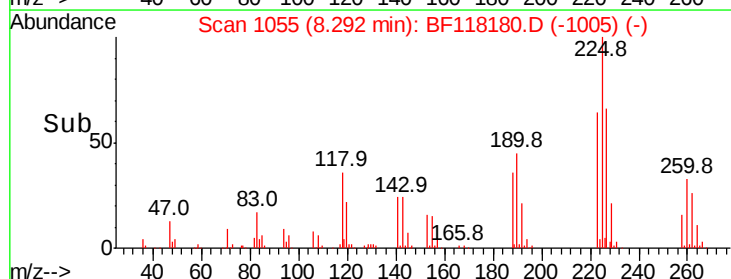


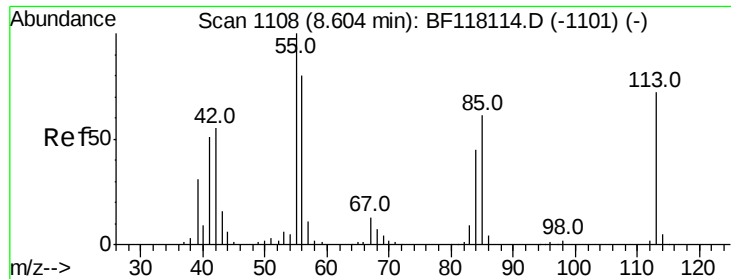
#34
 Hexachlorobutadiene
 Concen: 37.048 ng
 RT: 8.29 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.5	49.6	74.4		
227	65.9	51.0	76.6		



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





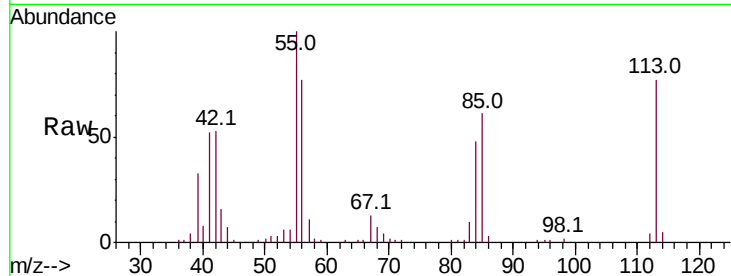
#35
 Caprolactam
 Concen: 42.357 ng/ml
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	129.5	118.9	158.9
56	99.1	91.4	131.4

Manual Integrations
 APPROVED

mohammad
 12/16/2019 12:25:07 PM

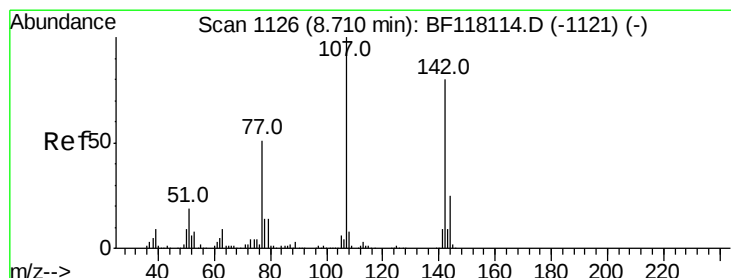
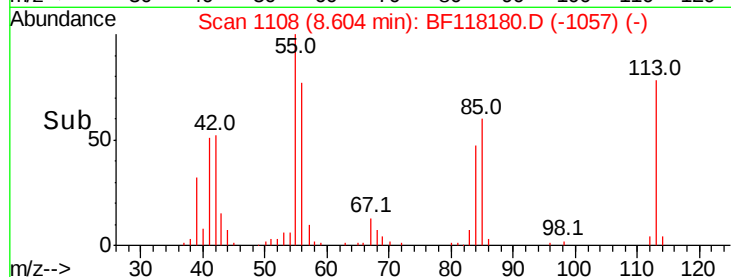
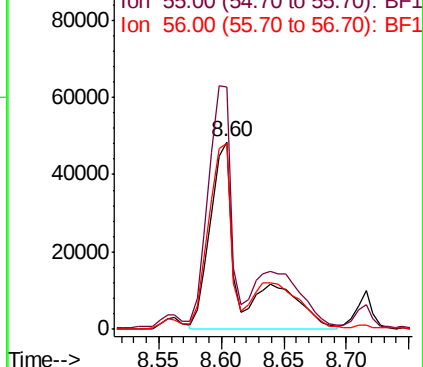


Abundance

Ion 113.00 (112.70 to 113.70): E

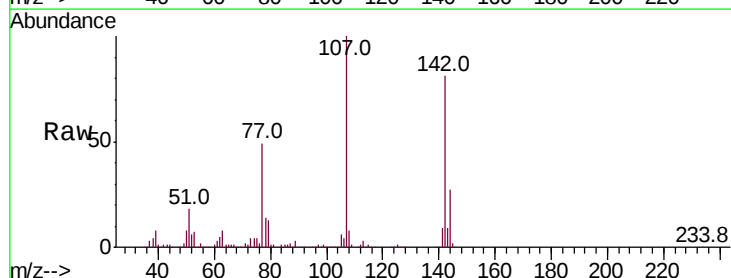
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
 4-Chloro-3-methylphenol
 Concen: 41.265 ng/ml
 RT: 8.72 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.3	30.5
142	80.6	63.7	95.5

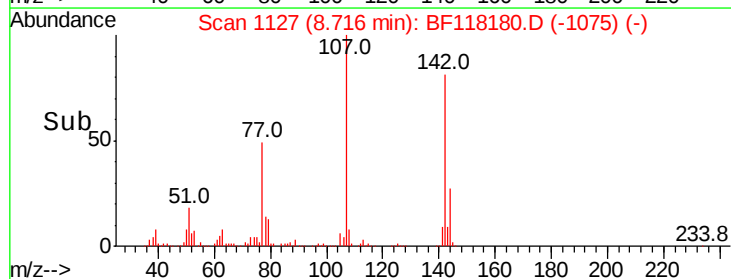
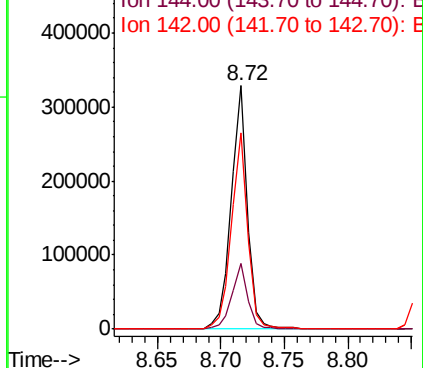


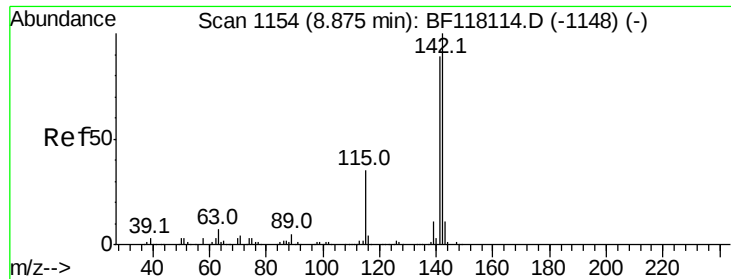
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





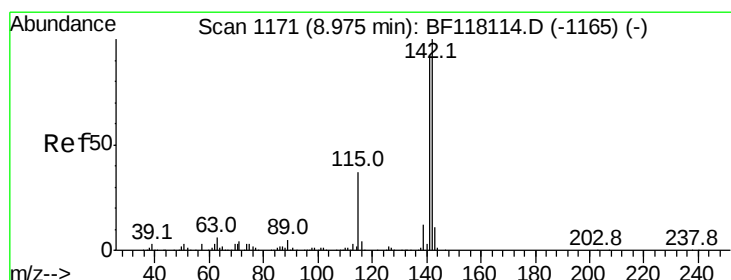
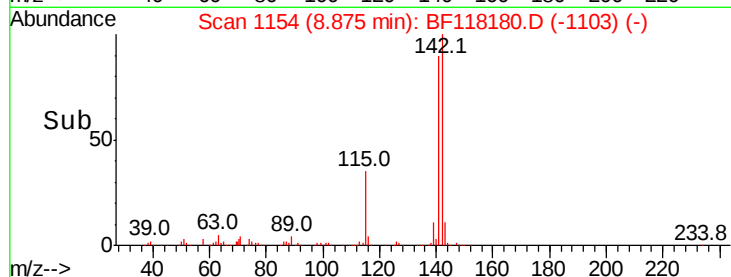
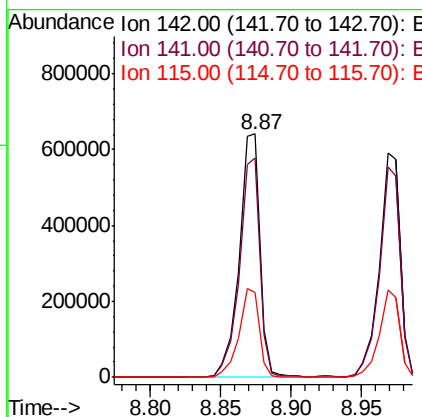
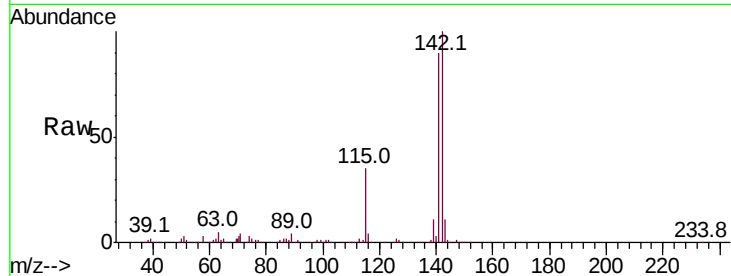
#37
2-Methylnaphthalene
Concen: 41.845 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.4	107.0
115	35.0	28.2	42.4

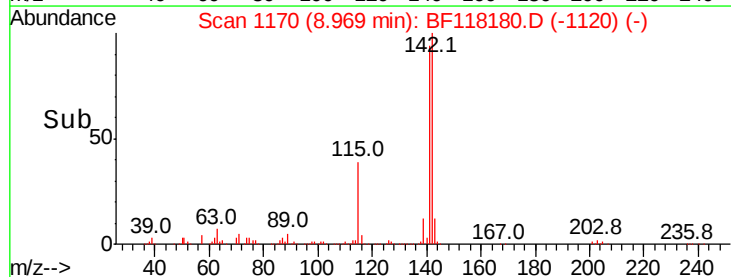
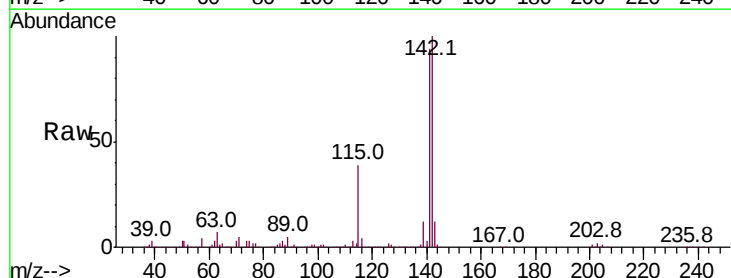
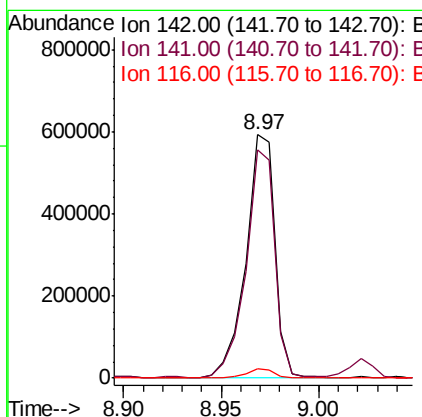
Manual Integrations
APPROVED

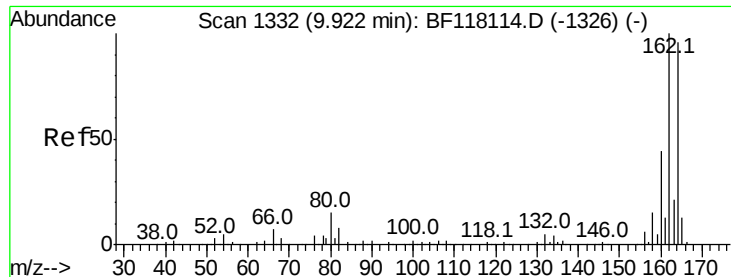
mohammad
12/16/2019 12:25:07 PM



#38
1-Methylnaphthalene
Concen: 41.287 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.0	111.0
116	4.0	3.2	4.8





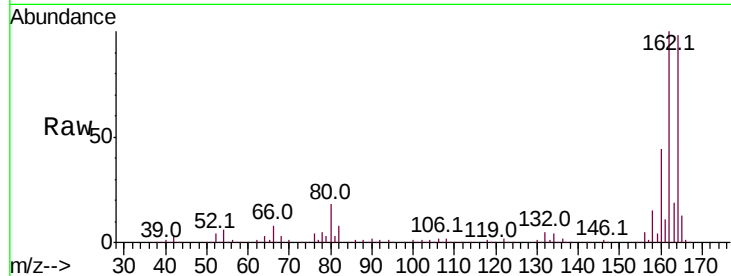
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	248287		
162	101.9	83.4	125.0	
160	44.4	36.6	54.8	

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

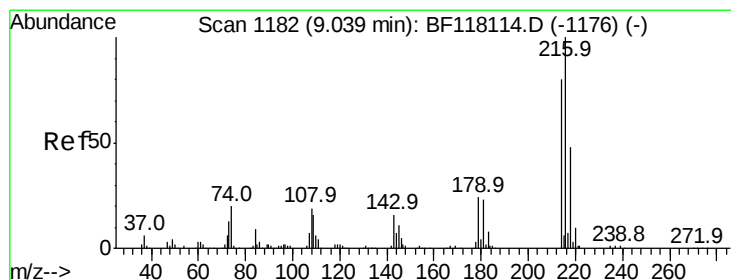
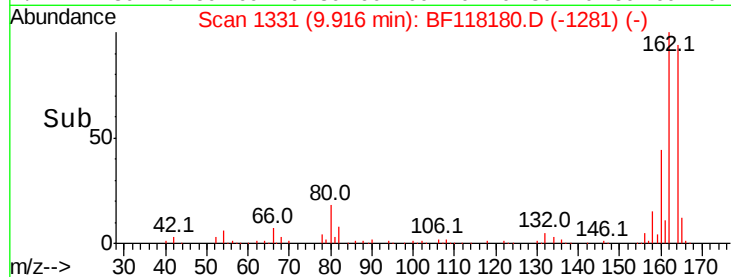
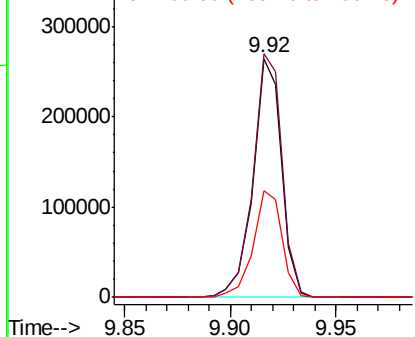


Abundance

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: 37.709 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	283626		
214	79.6	63.4	95.2	
179	22.7	18.6	27.8	
108	21.1	15.4	23.0	

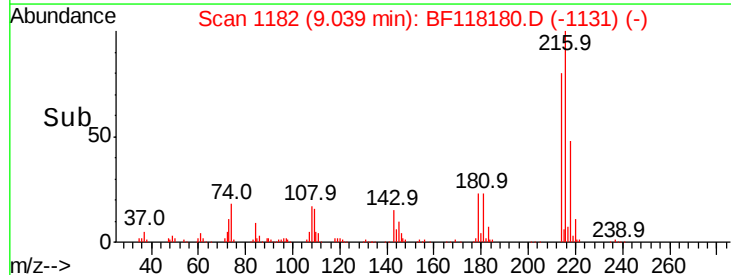
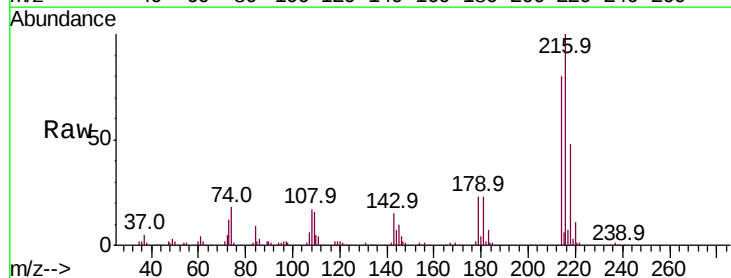
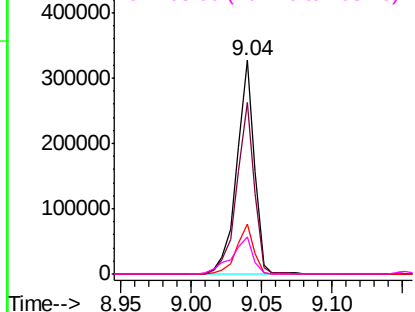
Abundance

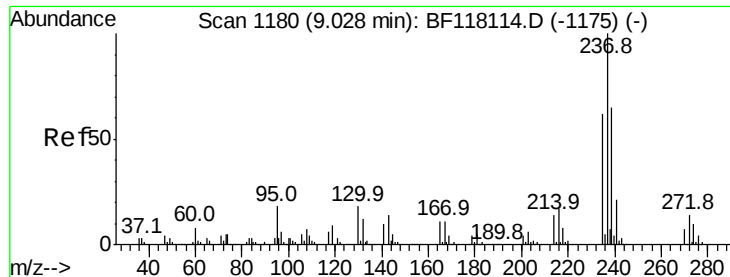
Ion 216.00 (215.70 to 216.70): E

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: 94.289 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

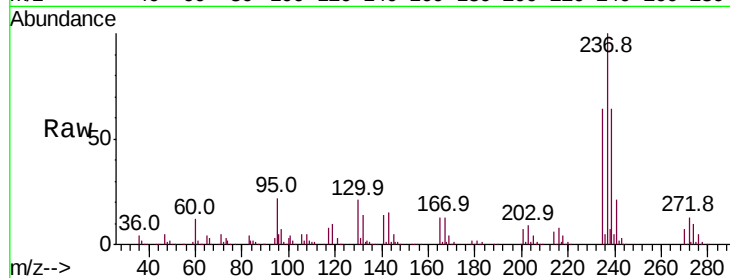
ClientSampleId :

PB125387BSD

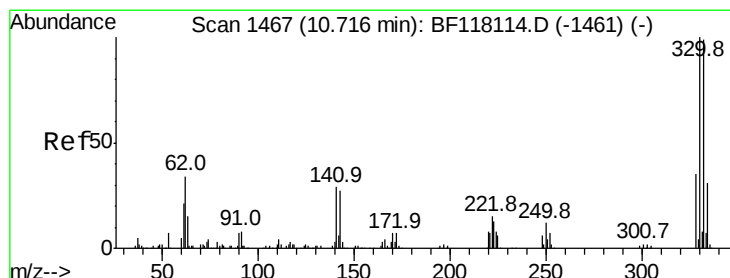
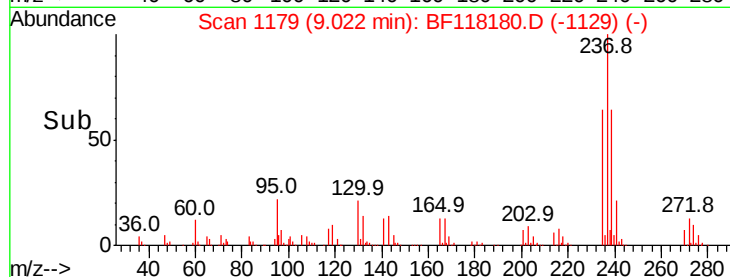
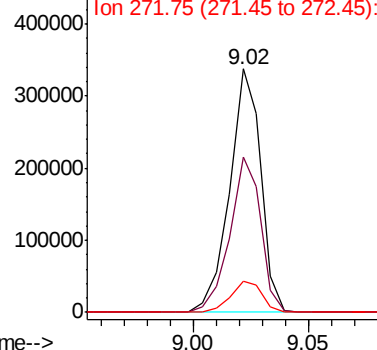
Tot Ion:	237	Resp:	317755
Ion Ratio	Lower	Upper	
237	100		
235	64.0	41.5	81.5
272	12.9	0.0	33.7

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 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: 107.896 ng

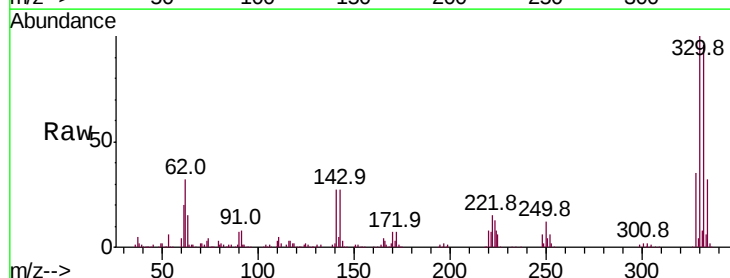
RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

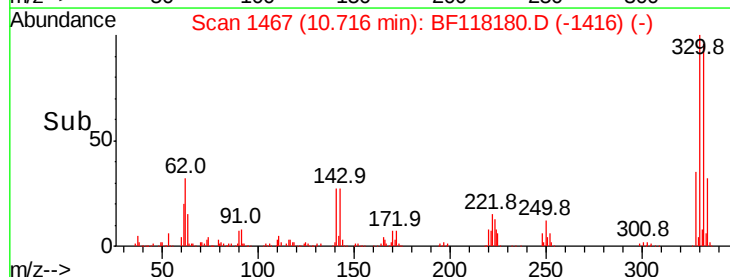
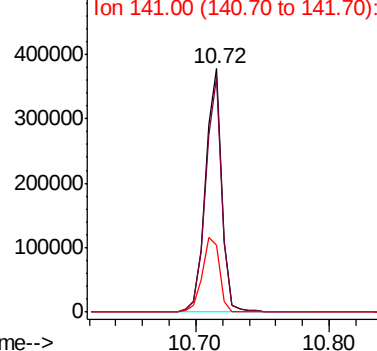
Lab File: BF118180.D

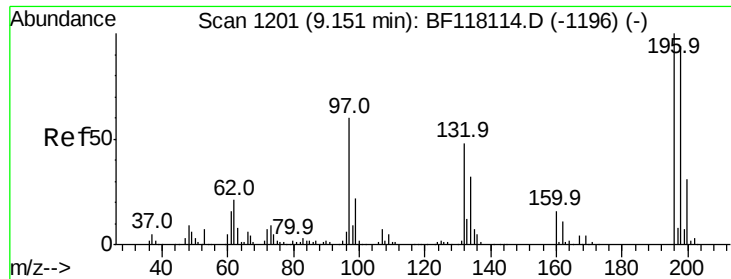
Acq: 13 Dec 2019 12:21

Tgt Ion:	330	Resp:	325440
Ion Ratio	Lower	Upper	
330	100		
332	96.5	78.1	117.1
141	33.3	26.9	40.3



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





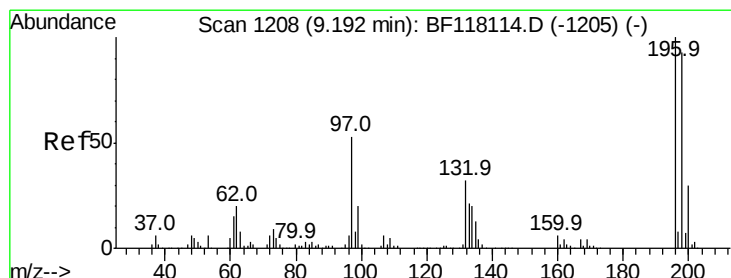
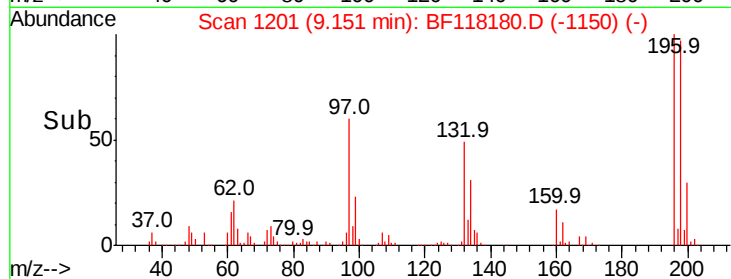
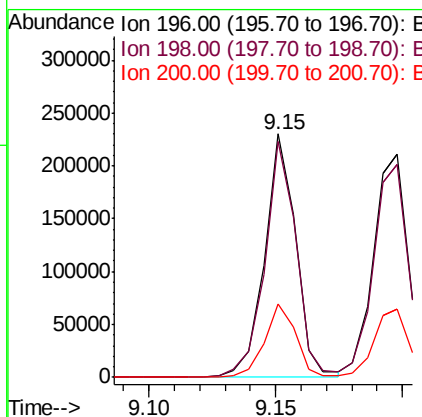
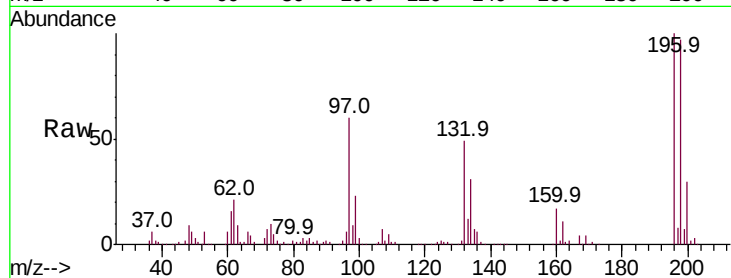
#43
 2,4,6-Trichlorophenol
 Concen: 39.292 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	197325		
198	97.1	75.0	112.4	
200	30.4	24.5	36.7	

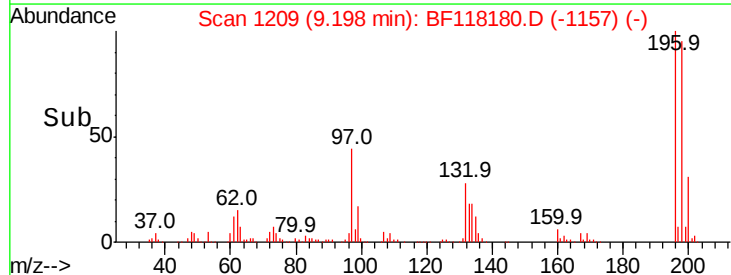
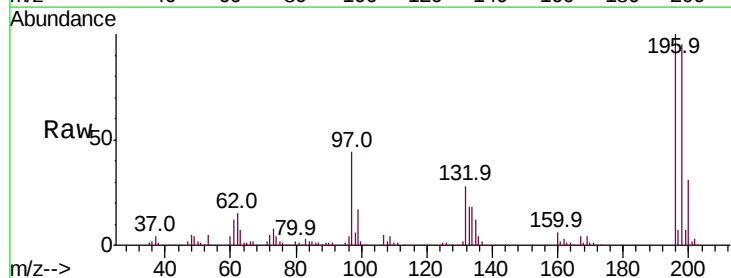
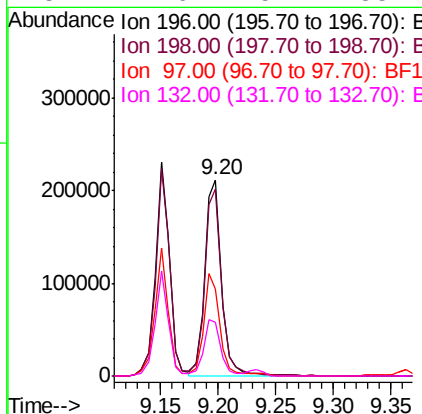
Manual Integrations
 APPROVED

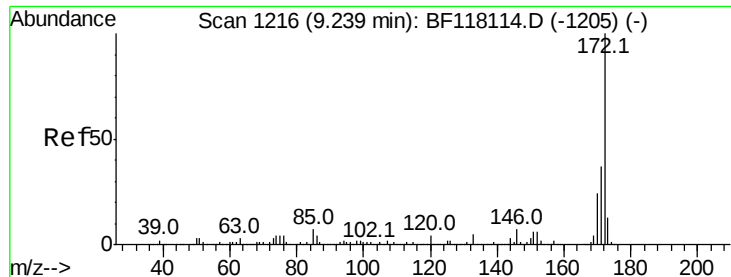
mohammad
 12/16/2019 12:25:07 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.427 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	215545		
198	95.1	74.2	111.4	
97	44.3	42.5	63.7	
132	27.6	25.4	38.2	





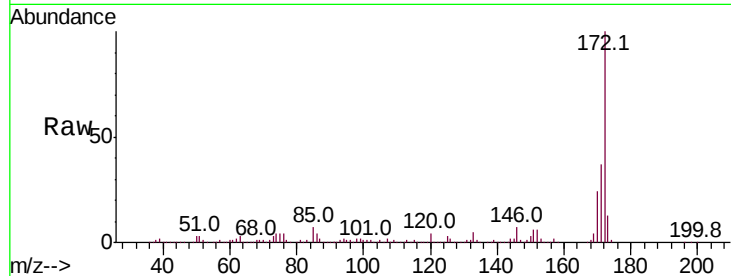
#45
2-Fluorobiphenyl
Concen: 75.314 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.2	43.8
170	24.0	19.4	29.2

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

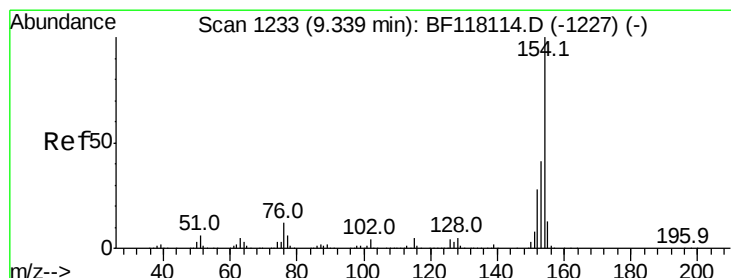
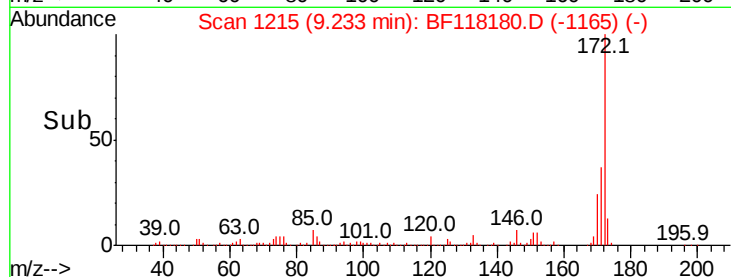
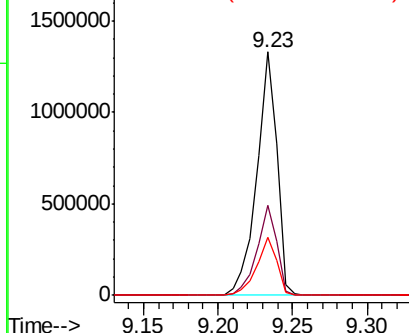


Abundance

Ion 172.00 (171.70 to 172.70): E

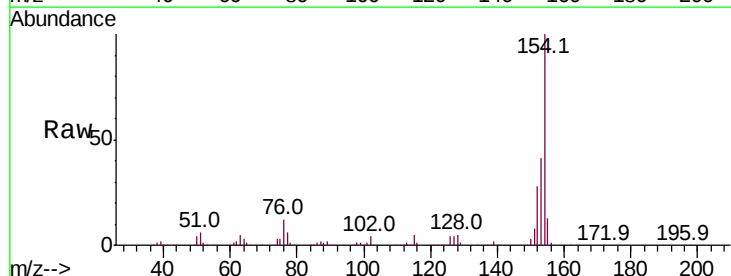
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 39.842 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.7	60.7
76	11.9	0.0	31.9

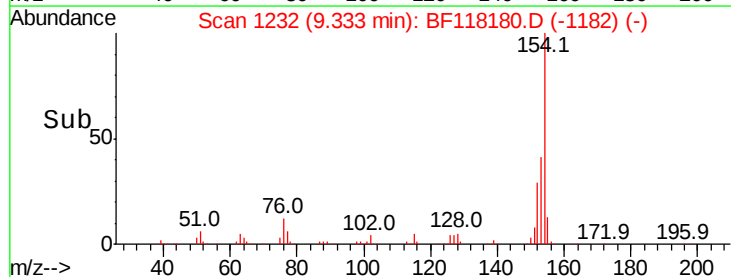
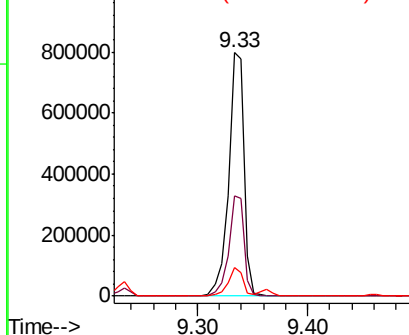


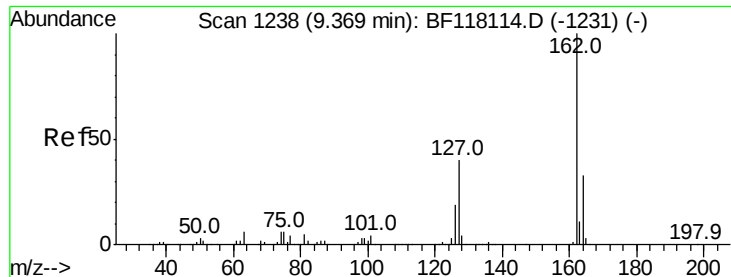
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 38.447 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

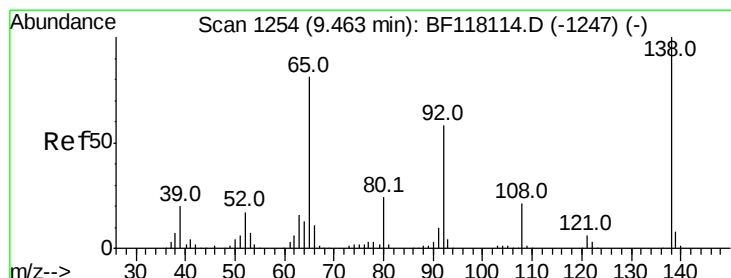
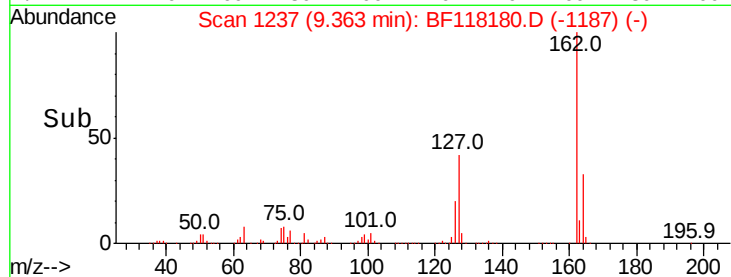
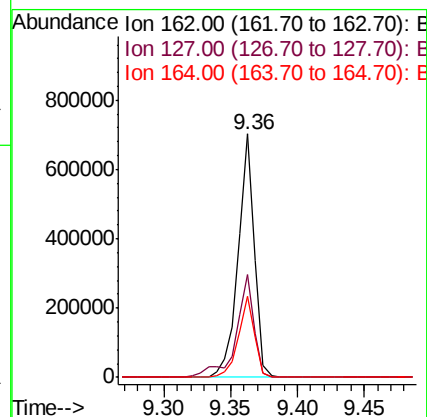
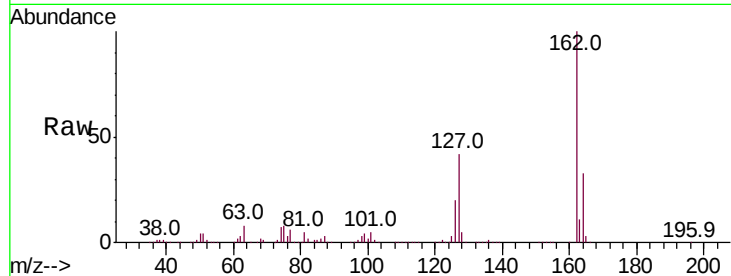
ClientSampleId :

PB125387BSD

Tot Ion:	162	Resp:	605613
Ion Ratio	Lower	Upper	
162	100		
127	42.3	32.0	48.0
164	33.2	26.1	39.1

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#48

2-Nitroaniline

Concen: 38.295 ng

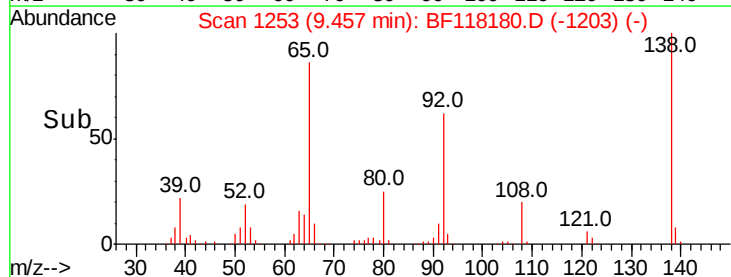
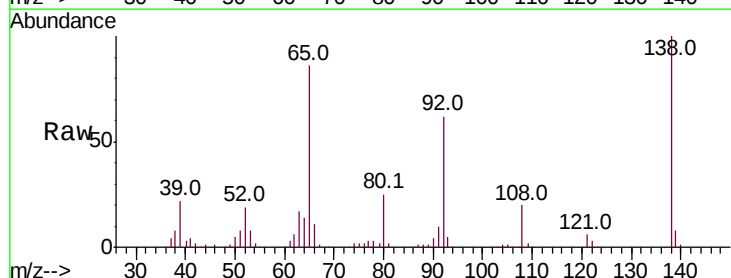
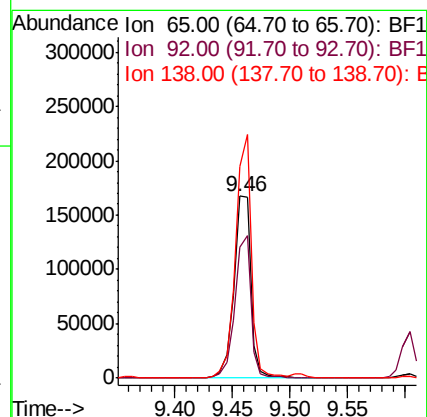
RT: 9.46 min Scan# 1253

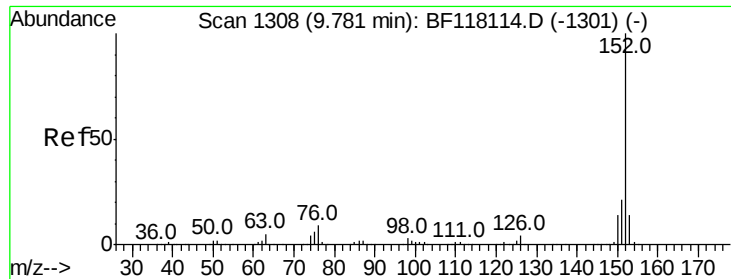
Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	65	Resp:	172024
Ion Ratio	Lower	Upper	
65	100		
92	72.1	57.8	86.6
138	116.3	98.8	148.2





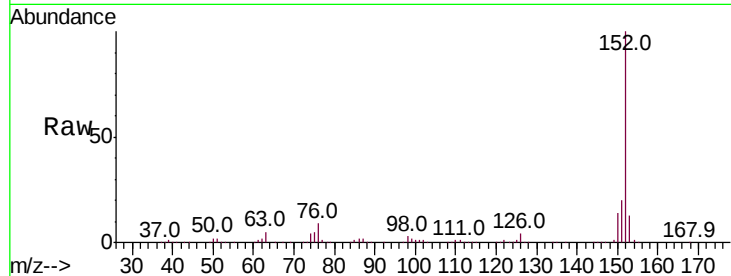
#49
Acenaphthylene
Concen: 42.135 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

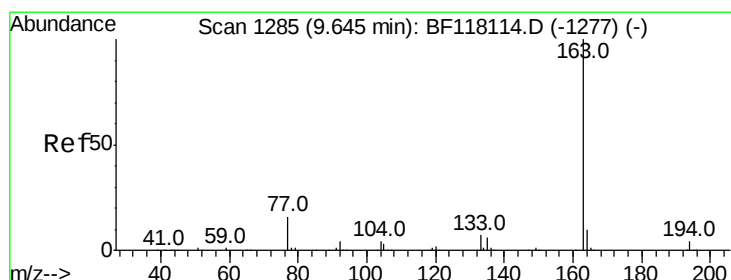
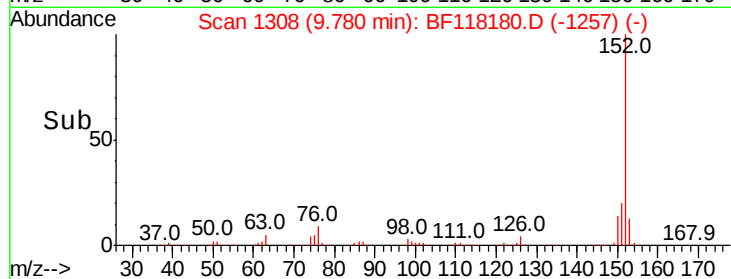
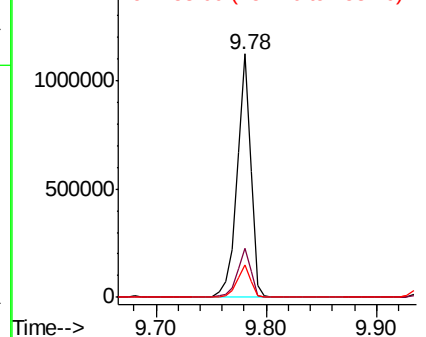
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.1	10.8	16.2

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

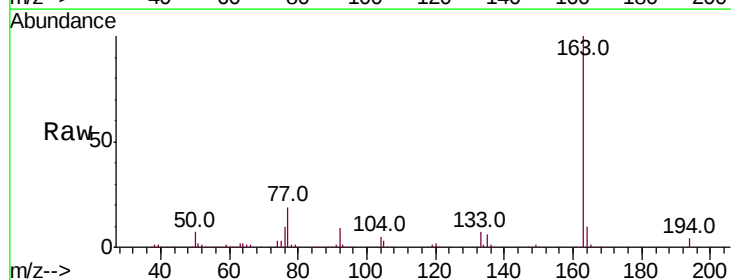


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

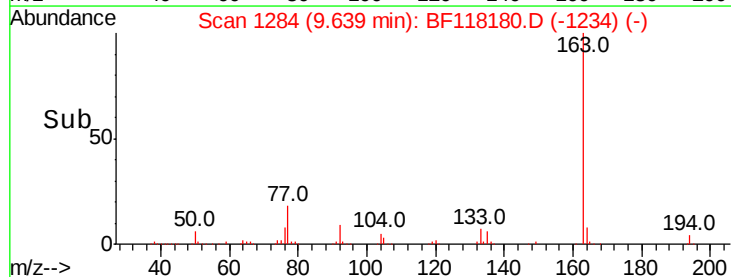
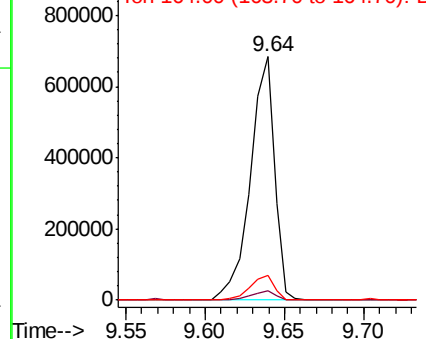


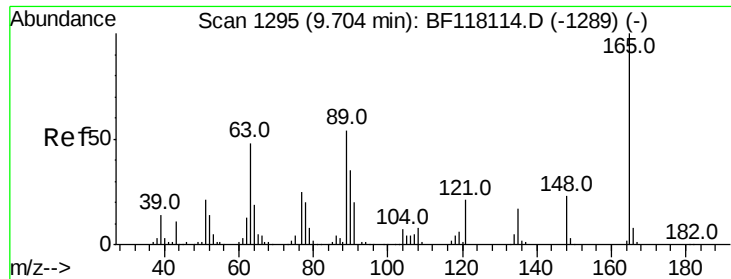
#50
Dimethylphthalate
Concen: 39.419 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.7	11.5



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





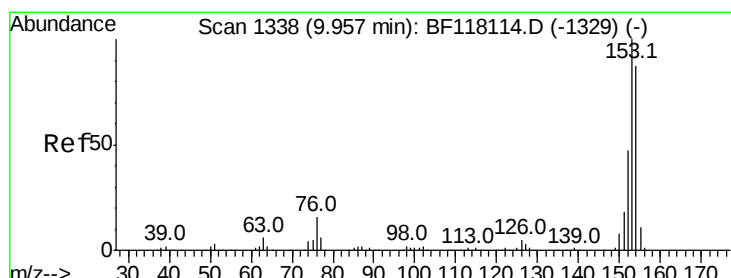
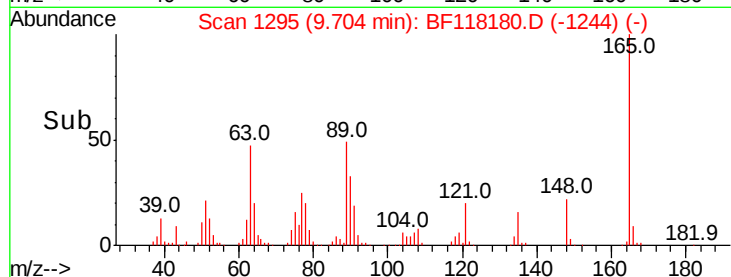
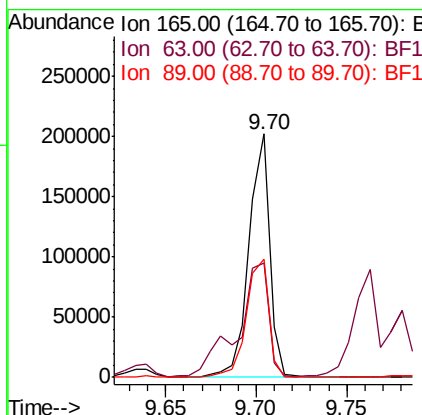
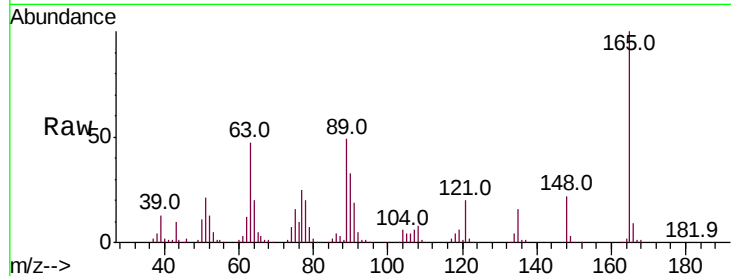
#51
2,6-Dinitrotoluene
Concen: 40.567 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	161775		
63	46.9	41.4	62.0	
89	48.7	42.9	64.3	

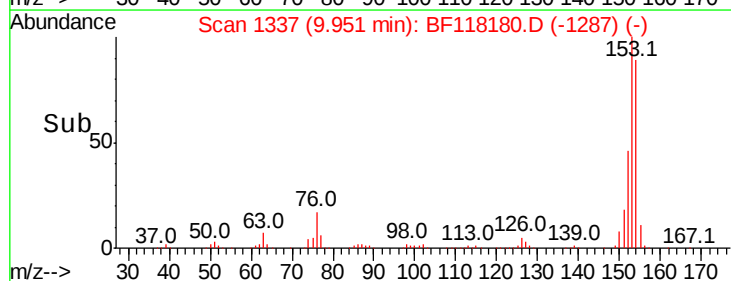
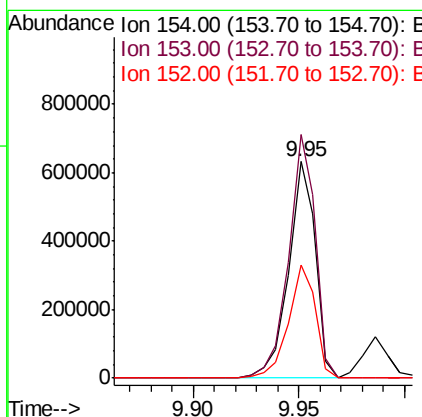
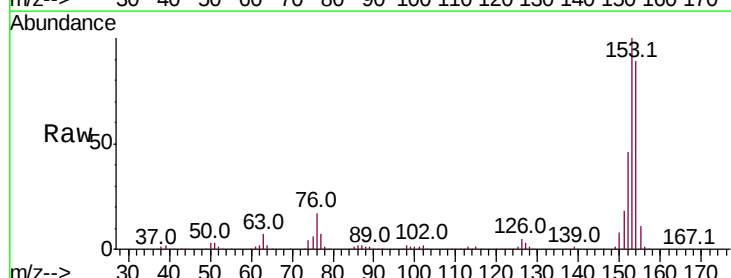
Manual Integrations
APPROVED

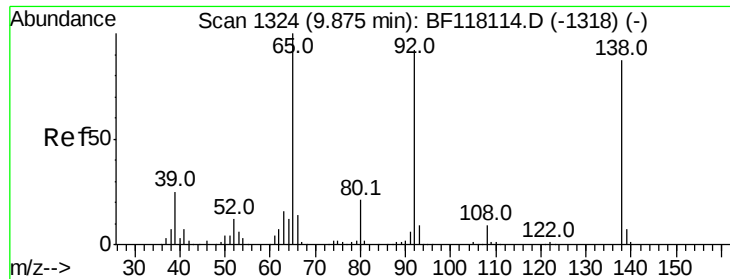
mohammad
12/16/2019 12:25:07 PM



#52
Acenaphthene
Concen: 39.537 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	560660		
153	112.6	91.8	137.6	
152	52.2	43.3	64.9	





#53

3-Nitroaniline

Concen: 23.205 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

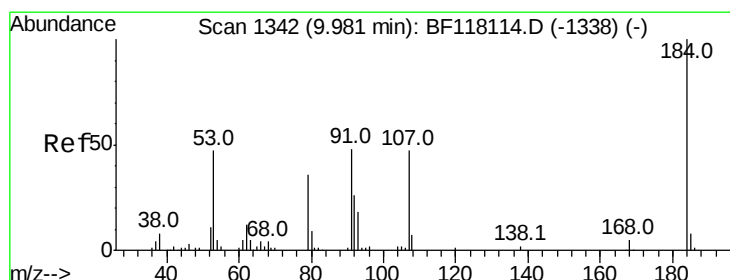
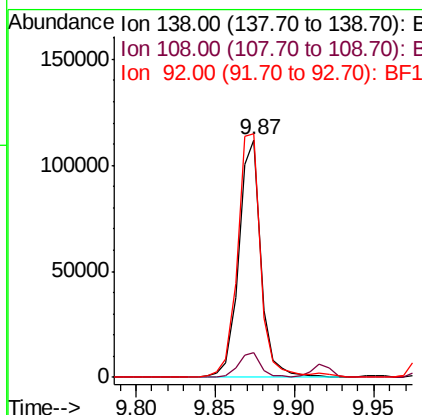
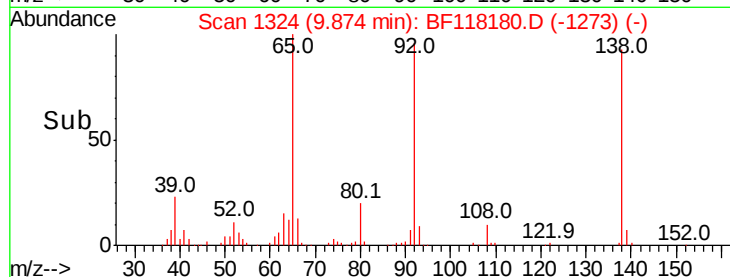
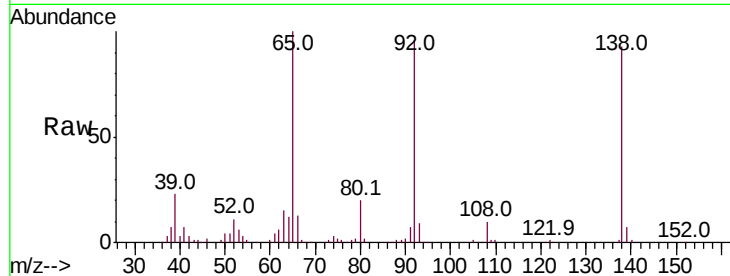
ClientSampleId :

PB125387BSD

Tot Ion:	138	Resp:	108904
Ion Ratio	Lower	Upper	
138	100		
108	10.2	8.2	12.4
92	102.4	84.9	127.3

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#54

2,4-Dinitrophenol

Concen: 81.497 ng

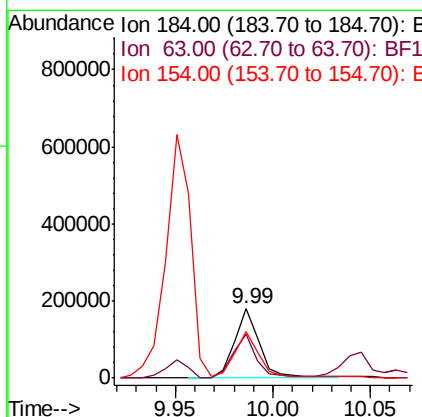
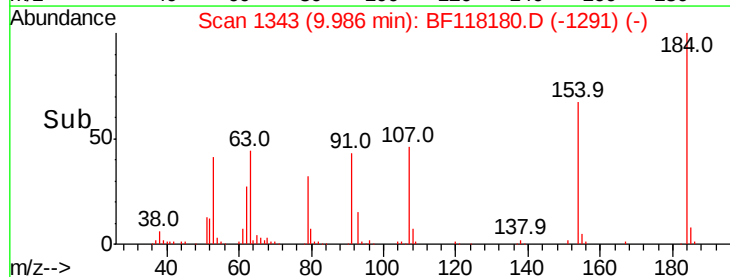
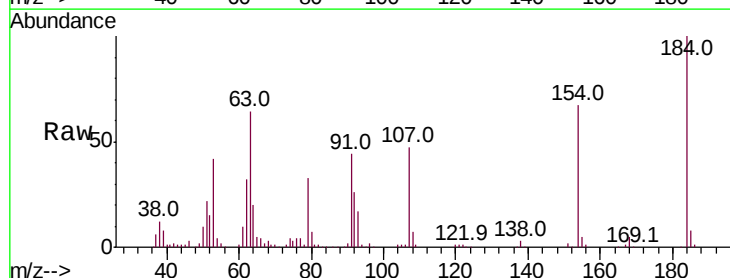
RT: 9.99 min Scan# 1343

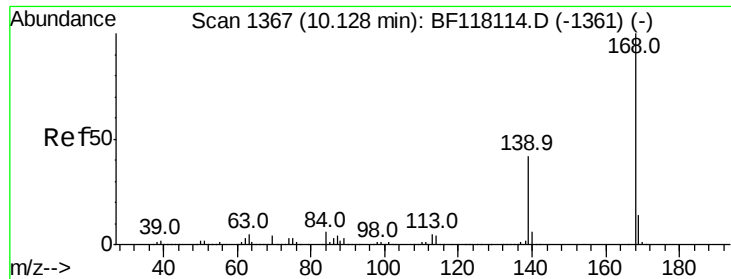
Delta R.T. 0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	184	Resp:	161689
Ion Ratio	Lower	Upper	
184	100		
63	63.5	53.9	80.9
154	67.4	56.3	84.5





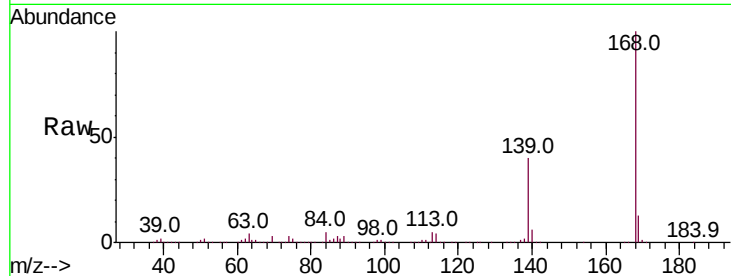
#55
Dibenzofuran
Concen: 41.323 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

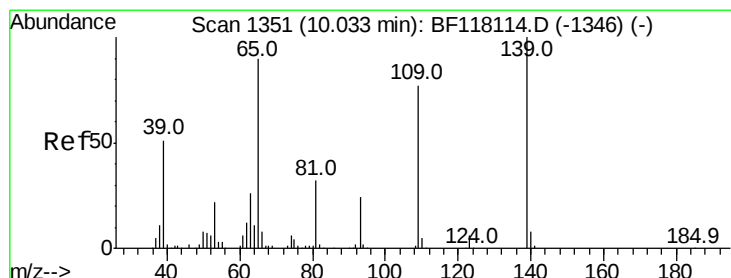
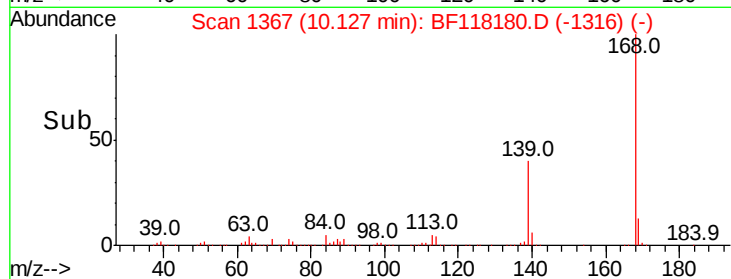
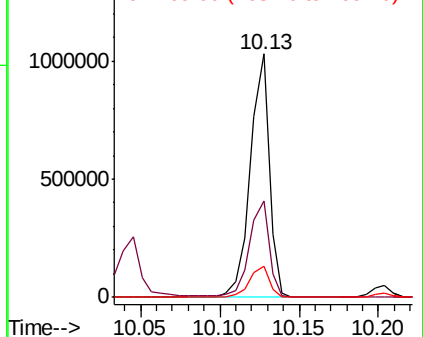
Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.7	33.4	50.0	
169	12.9	11.0	16.6	

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

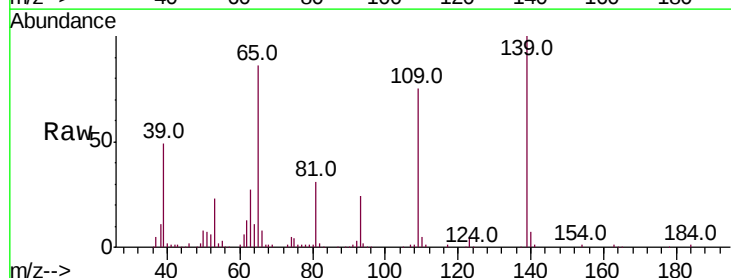


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

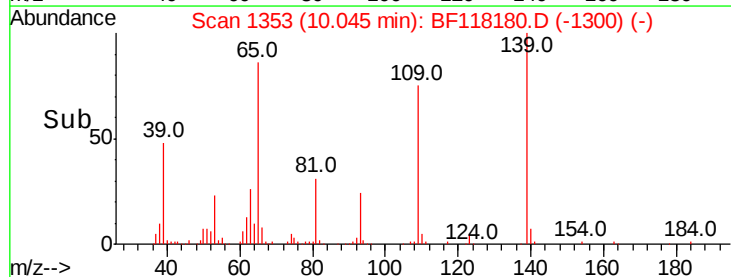
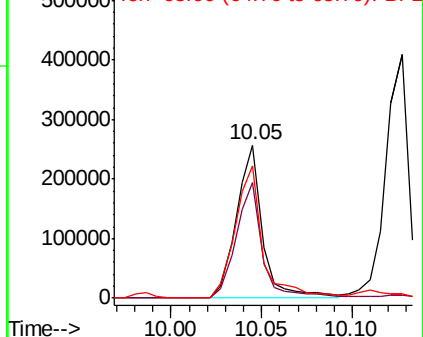


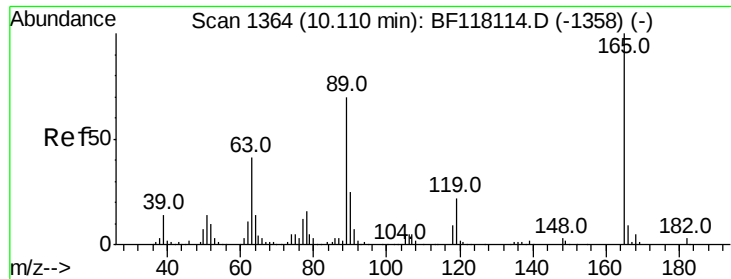
#56
4-Nitrophenol
Concen: 79.251 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	75.2	57.3	97.3	
65	86.0	70.2	110.2	



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





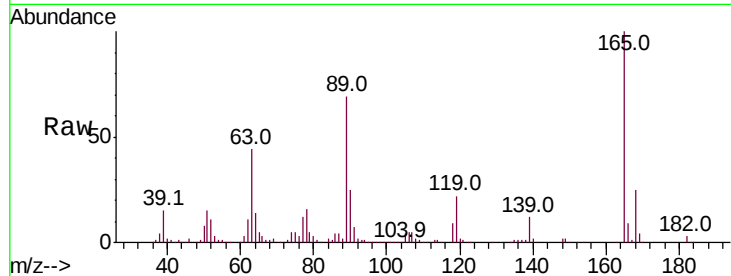
#57
2,4-Dinitrotoluene
Concen: 41.502 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

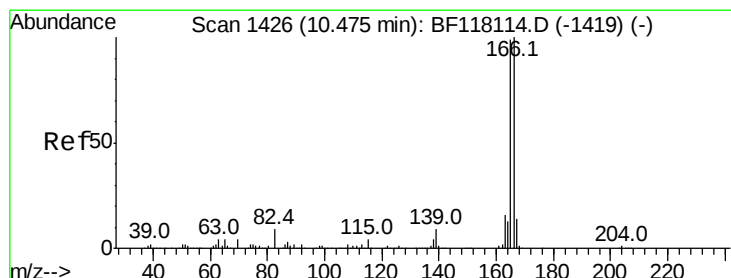
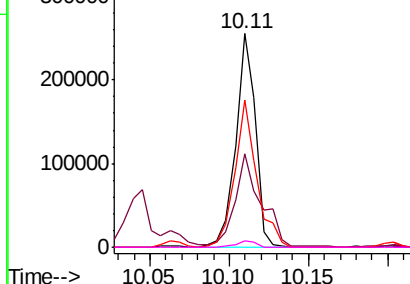
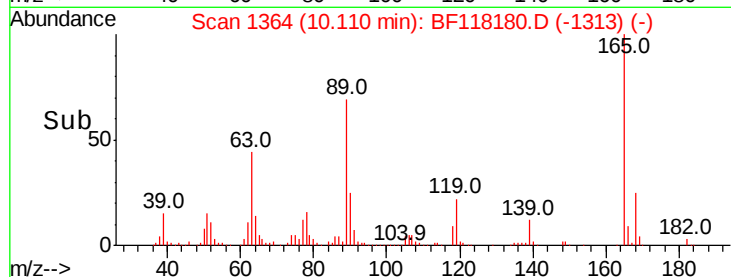
Tot Ion	Ratio	Resp	Lower	Upper
165	100	220903		
63	43.9		32.6	49.0
89	68.7		56.1	84.1
182	2.9		2.1	3.1

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

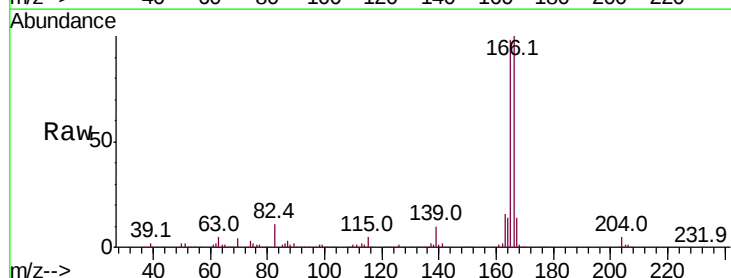


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

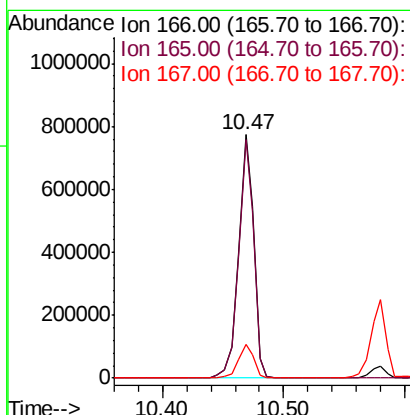
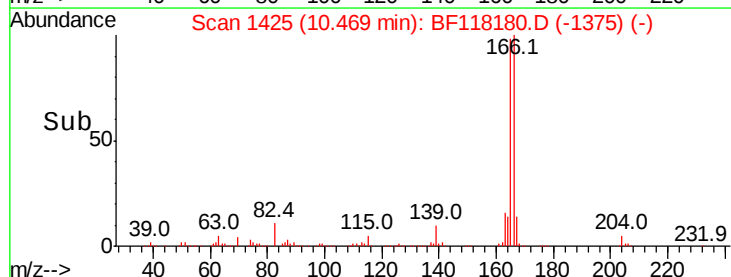


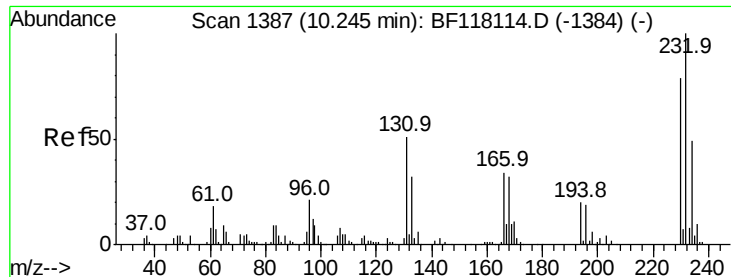
#58
Fluorene
Concen: 41.018 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	677317		
165	98.0		79.0	118.4
167	13.6		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





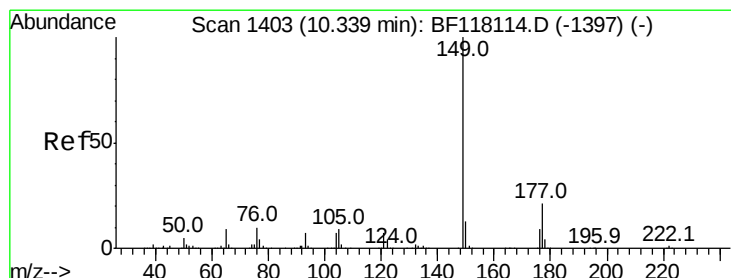
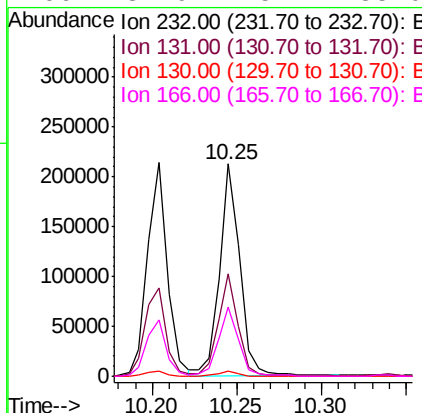
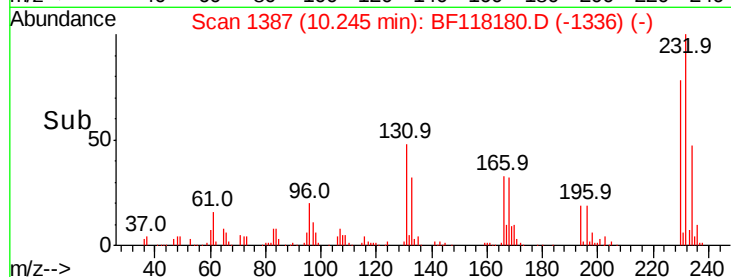
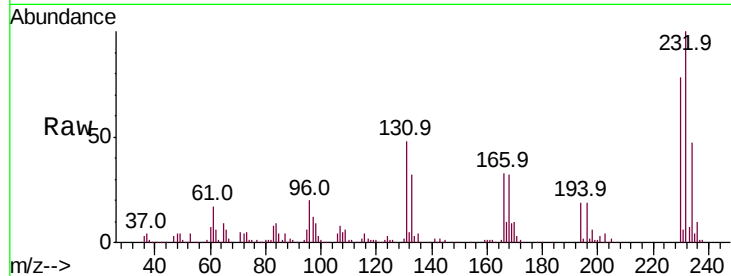
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.551 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	178360		
131	47.9		38.8	58.2
130	2.4		1.9	2.9
166	32.9		25.4	38.0

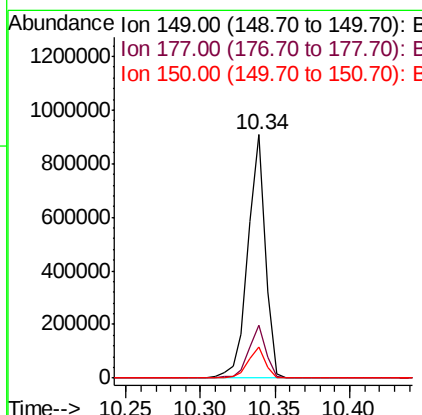
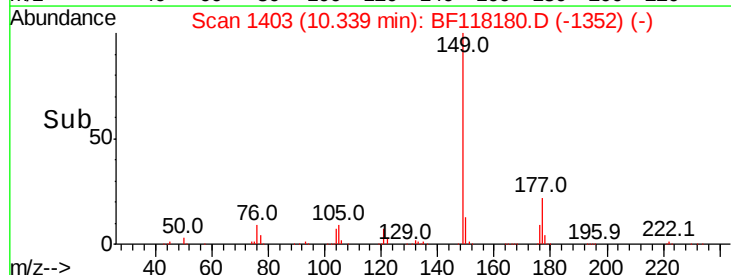
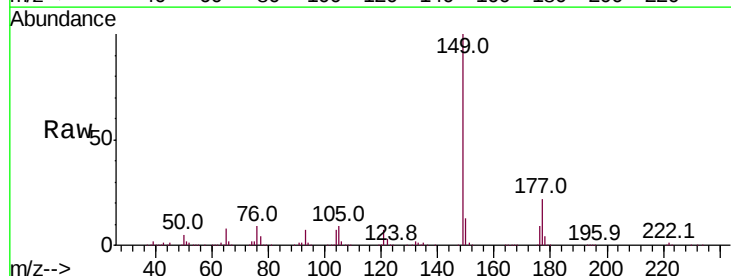
Manual Integrations
APPROVED

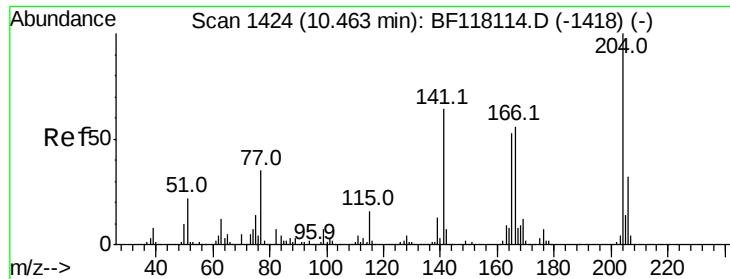
mohammad
12/16/2019 12:25:07 PM



#60
Diethylphthalate
Concen: 40.545 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	732608		
177	22.0		17.0	25.4
150	12.8		10.1	15.1





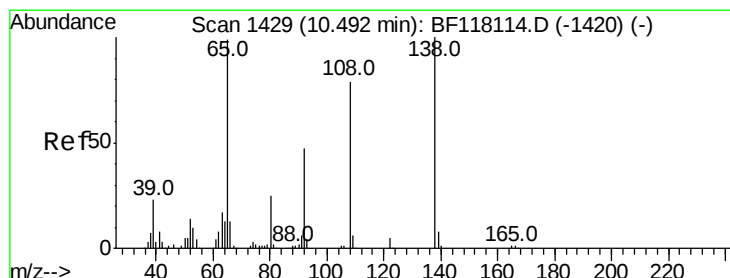
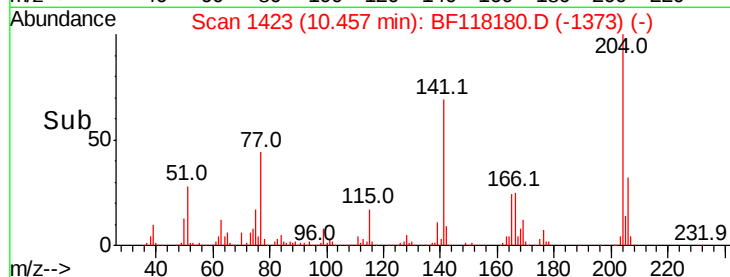
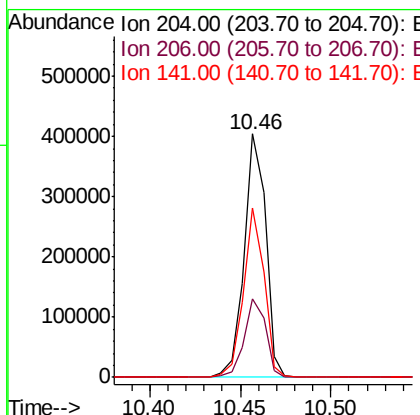
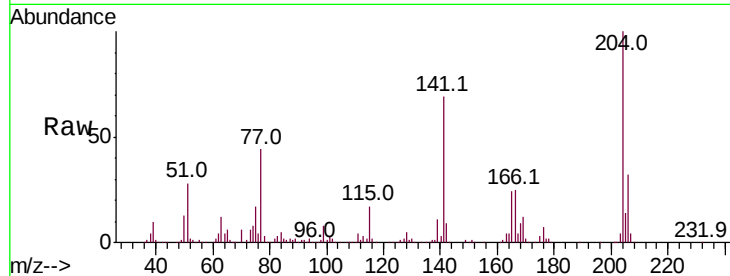
#61
4-Chlorophenyl-phenylether
Concen: 39.960 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.0	39.0
141	69.5	51.0	76.6

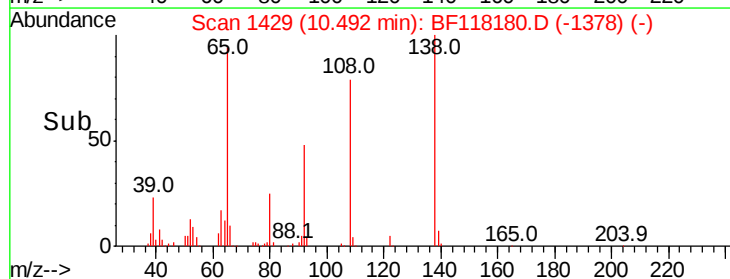
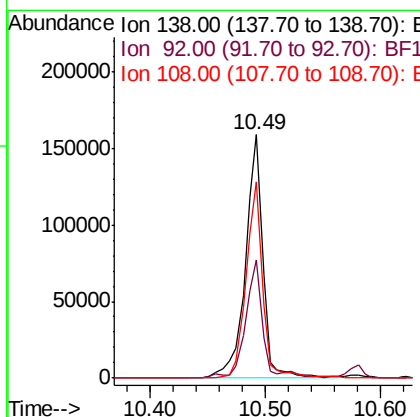
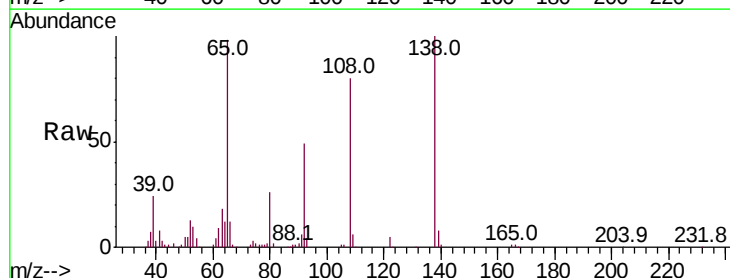
Manual Integrations
APPROVED

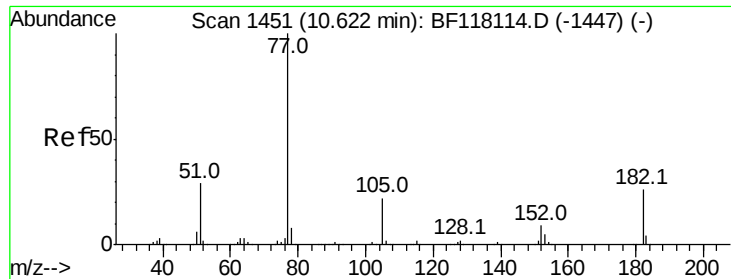
mohammad
12/16/2019 12:25:07 PM



#62
4-Nitroaniline
Concen: 34.236 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.1	67.1
108	80.4	59.0	99.0





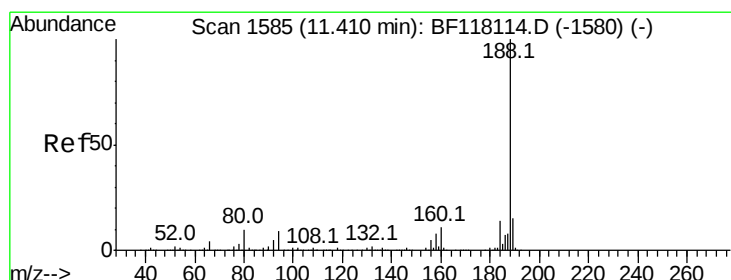
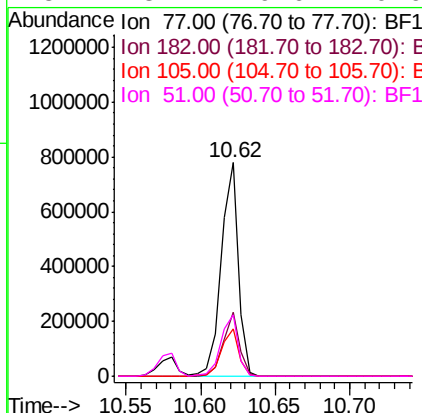
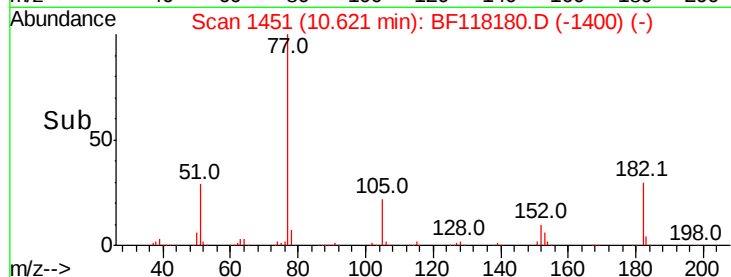
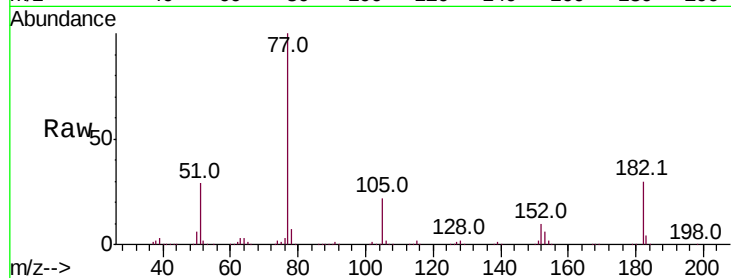
#63
Azobenzene
Concen: 40.907 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100	630997		
182	30.2	5.7	45.7	
105	22.4	2.2	42.2	
51	28.7	9.6	49.6	

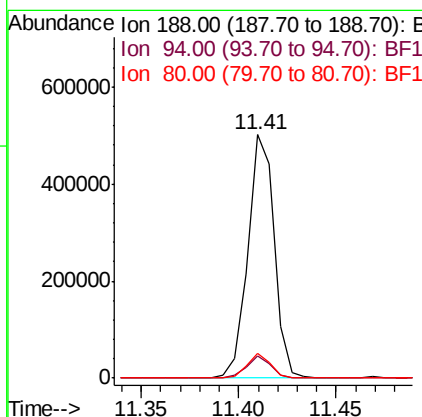
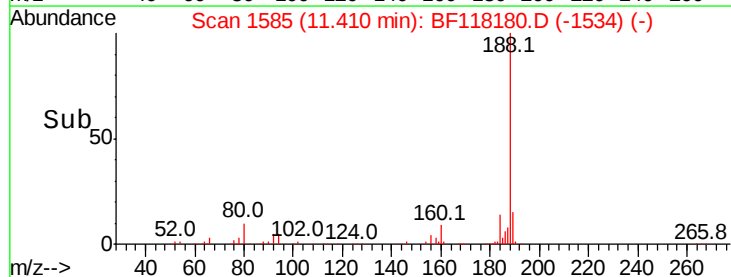
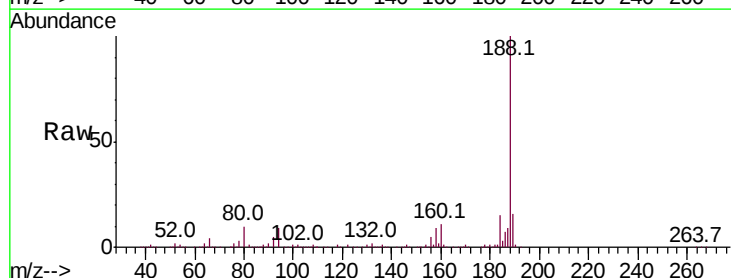
Manual Integrations
APPROVED

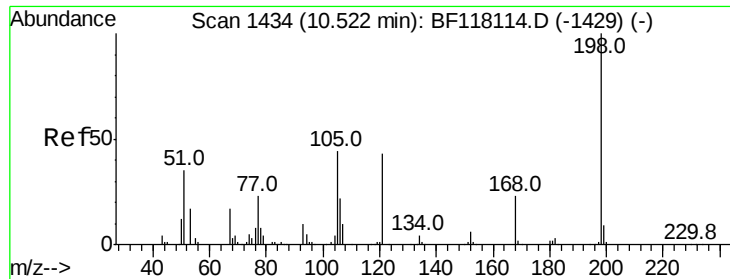
mohammad
12/16/2019 12:25:07 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	470848		
94	9.3	7.1	10.7	
80	10.0	7.9	11.9	





#65

4,6-Dinitro-2-methylphenol

Concen: 43.664 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

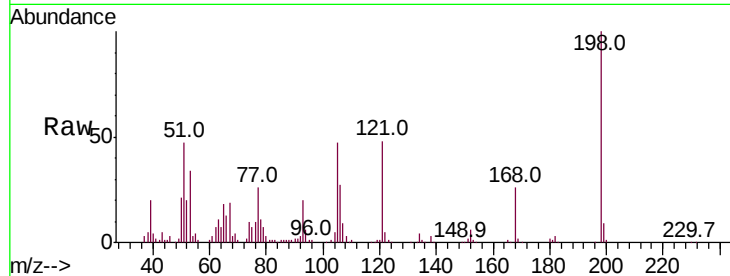
ClientSampleId :

PB125387BSD

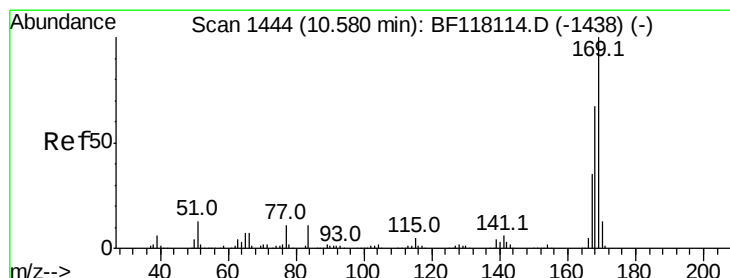
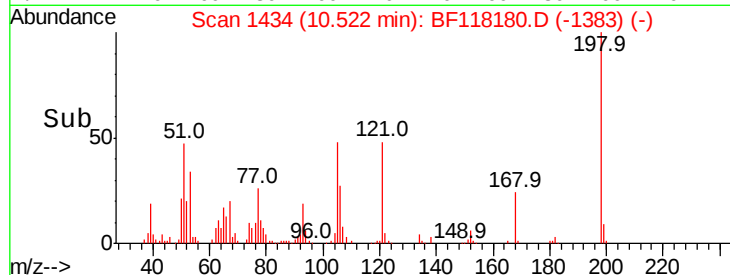
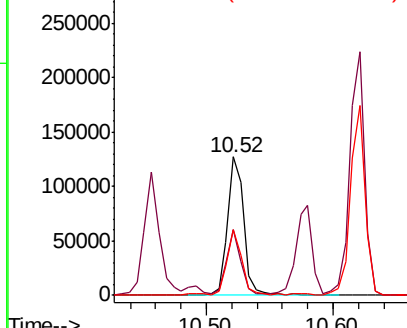
Tot Ion:	198	Resp:	113539
Ion Ratio	Lower	Upper	
198	100		
51	47.1	22.0	62.0
105	47.5	25.6	65.6

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 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: 40.376 ng

RT: 10.58 min Scan# 1444

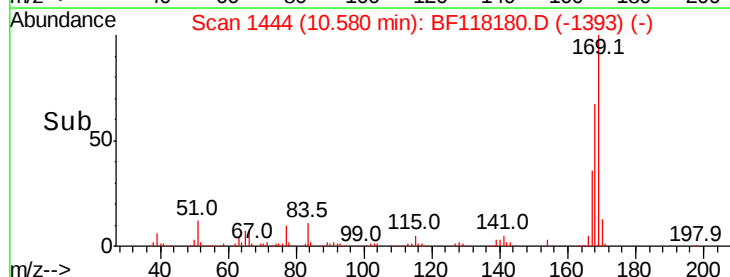
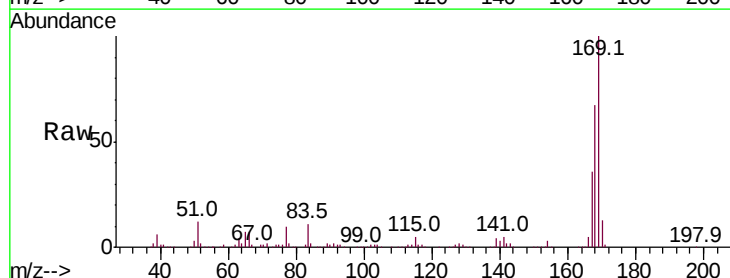
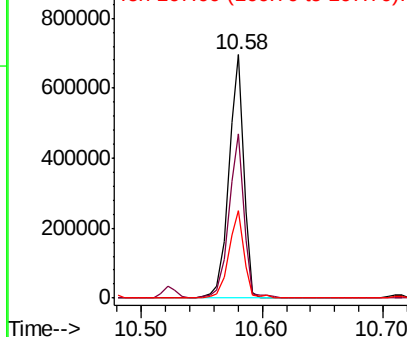
Delta R.T. -0.00 min

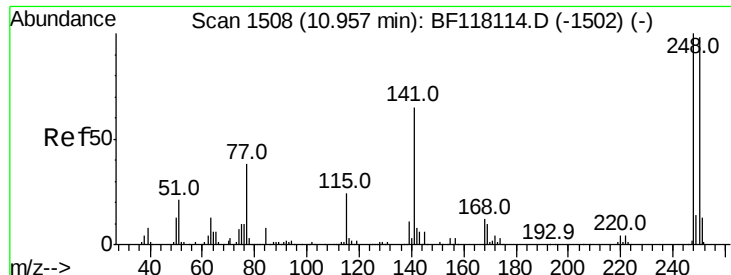
Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	169	Resp:	593686
Ion Ratio	Lower	Upper	
169	100		
168	67.4	53.4	80.2
167	36.1	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





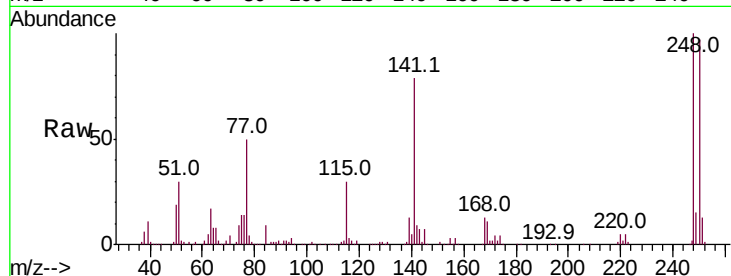
#67
4-Bromophenyl-phenylether
Concen: 38.828 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.3	117.5
141	79.1	52.2	78.4

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

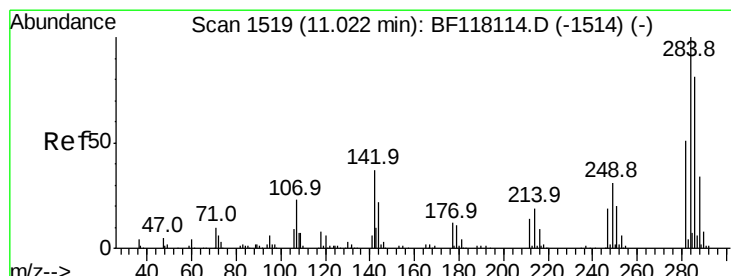
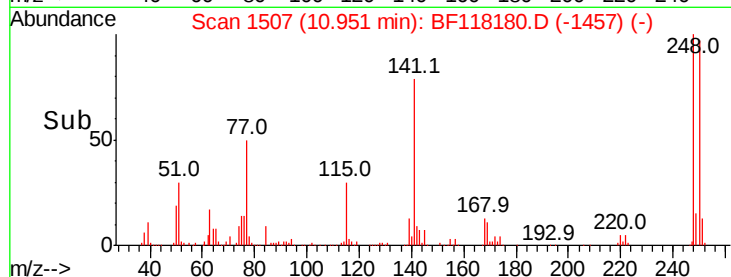
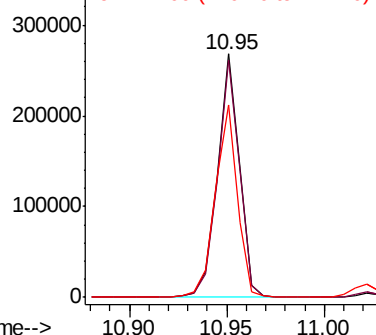


Abundance

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: 38.694 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

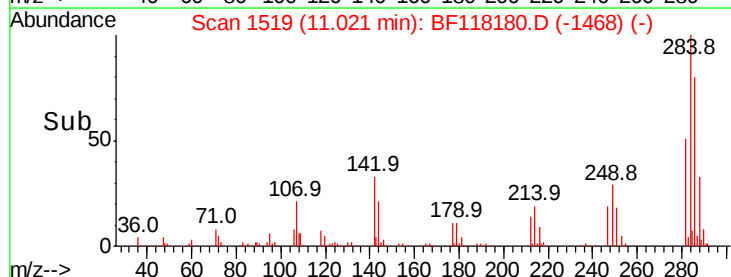
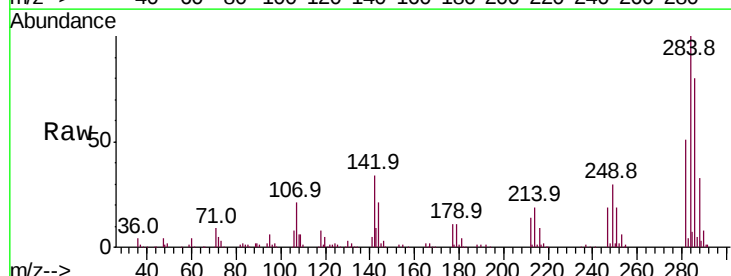
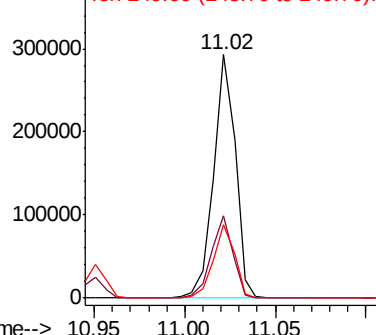
Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	29.7	44.5
249	30.0	24.6	37.0

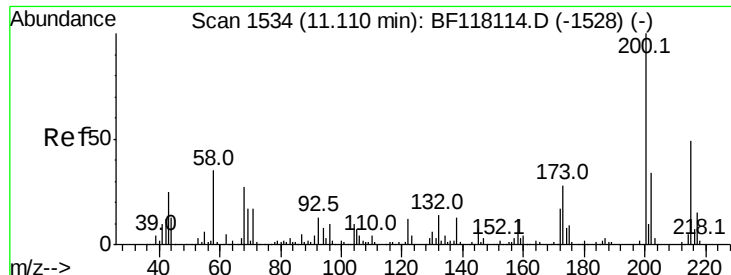
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





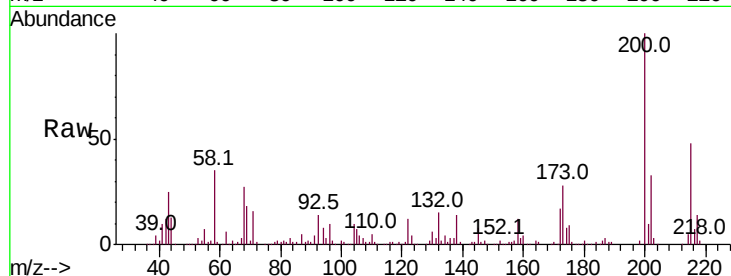
#69
Atrazine
Concen: 59.917 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.9	8.1	48.1
215	47.6	29.0	69.0

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

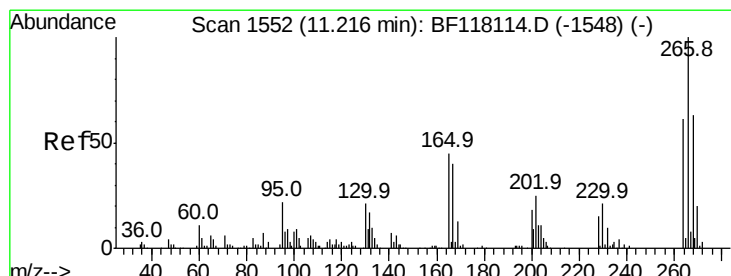
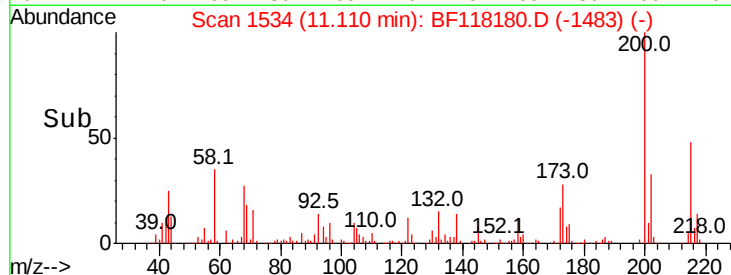
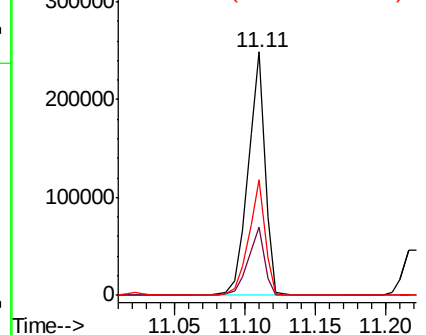


Abundance

Ion 200.00 (199.70 to 200.70): E

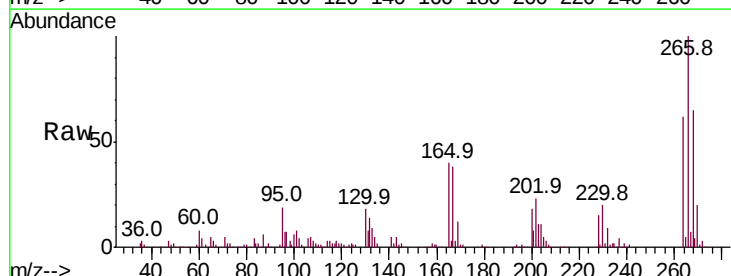
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 87.434 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.9	50.7	76.1
264	62.1	48.7	73.1

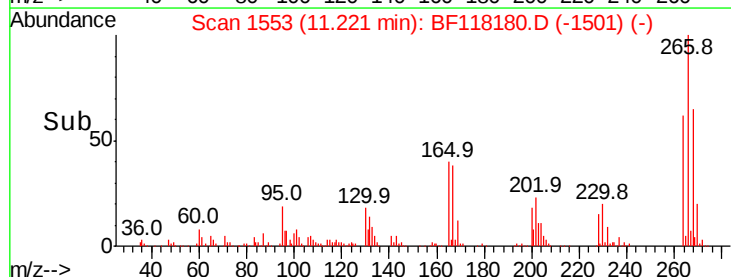
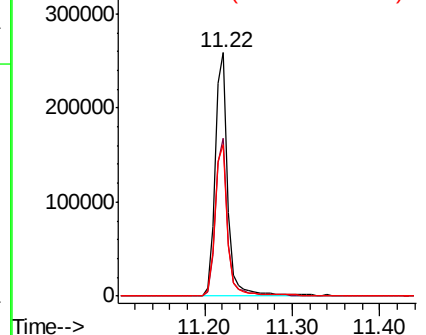


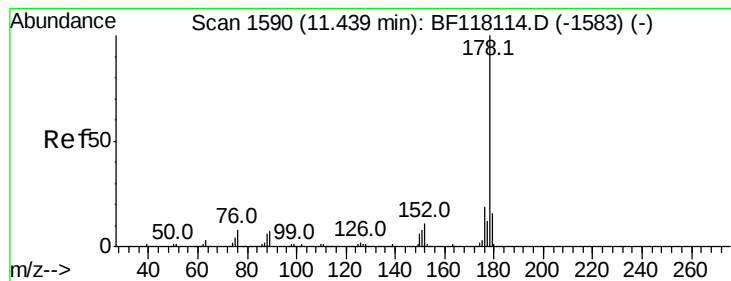
Abundance

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: 40.385 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

ClientSampleId :

PB125387BSD

Tot Ion:178 Resp: 1010818

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

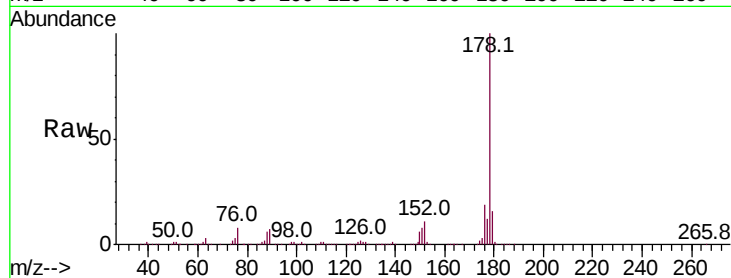
179 15.6 12.6 18.8

Manual Integrations

APPROVED

mohammad

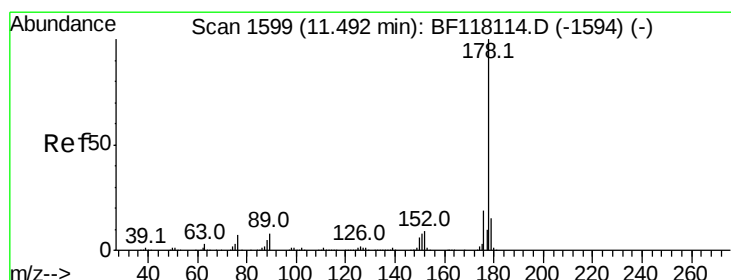
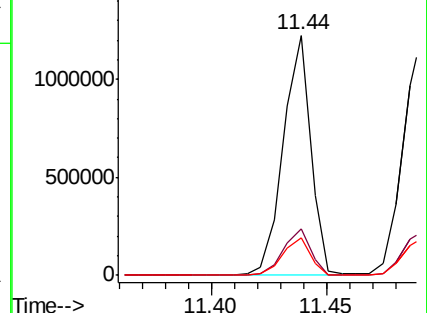
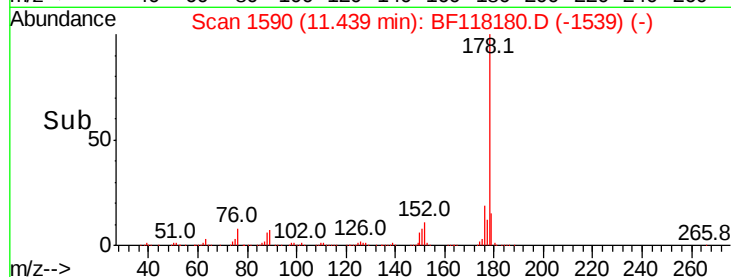
12/16/2019 12:25:07 PM



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: 42.265 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

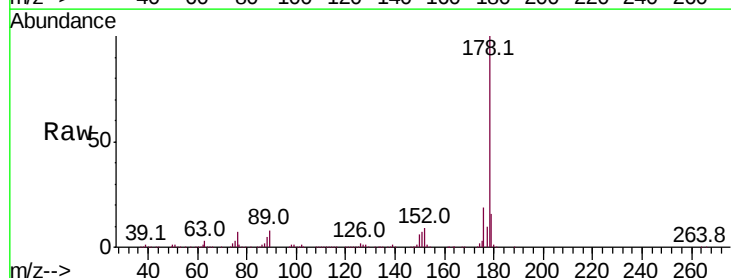
Tgt Ion:178 Resp: 1055310

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

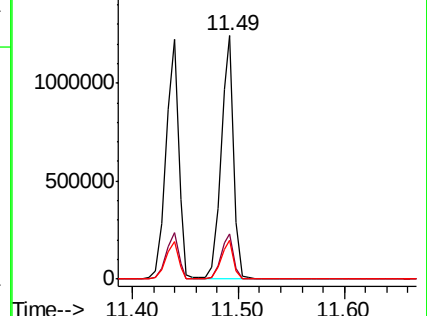
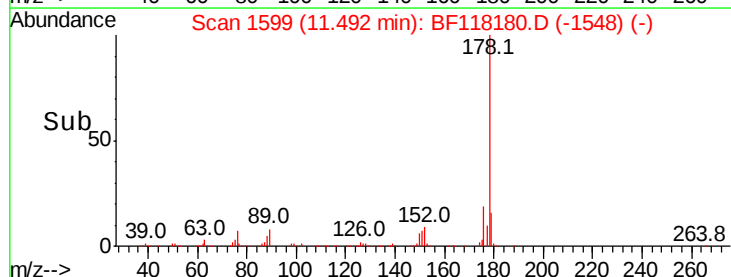
179 15.9 12.2 18.4

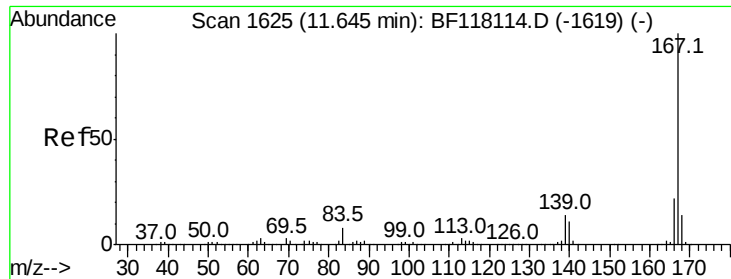


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





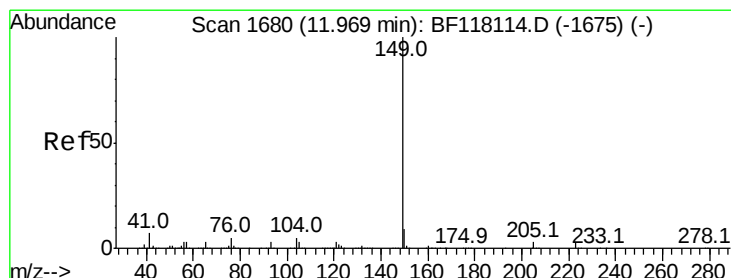
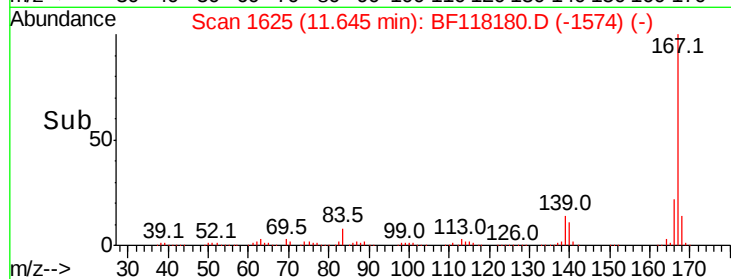
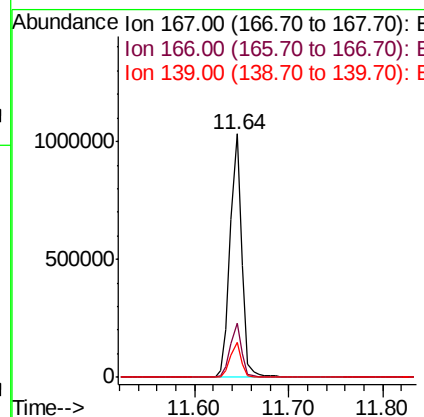
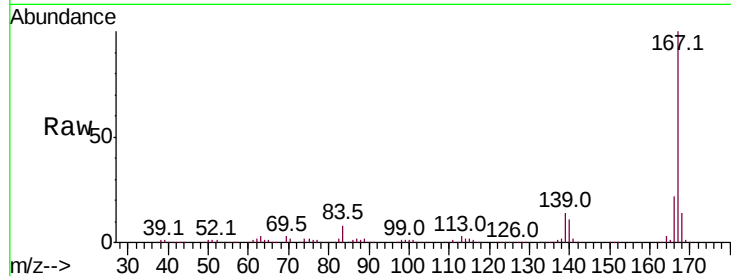
#73
 Carbazole
 Concen: 40.135 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100	899133		
166	22.2		17.4	26.2
139	14.3		11.4	17.0

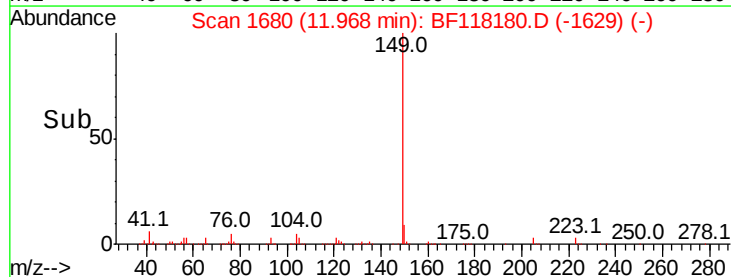
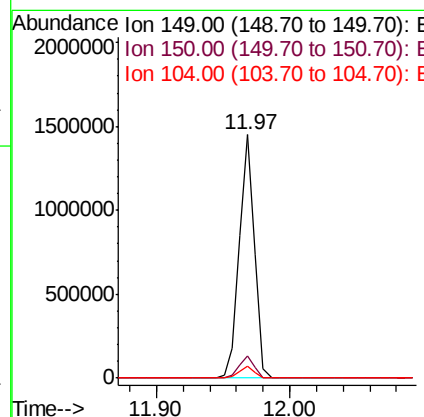
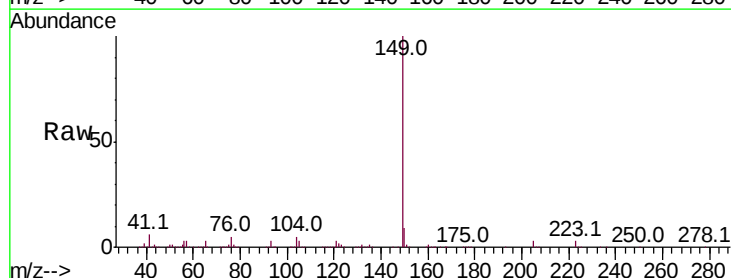
Manual Integrations
 APPROVED

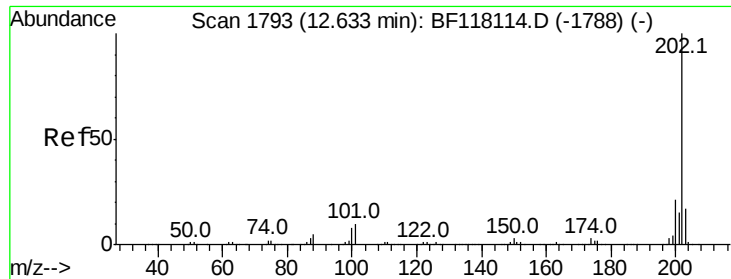
mohammad
 12/16/2019 12:25:07 PM



#74
 Di-n-butylphthalate
 Concen: 41.602 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1166415		
150	9.1		7.4	11.2
104	4.9		4.3	6.5





#75

Fluoranthene

Concen: 41.240 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

ClientSampleId :

PB125387BSD

Tot Ion:202 Resp: 1055345

Ion Ratio Lower Upper

202 100

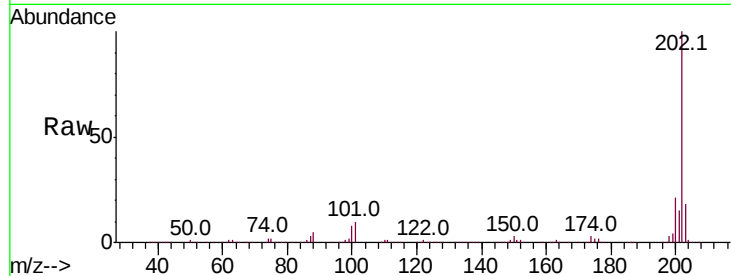
101 10.2 0.0 30.4

203 17.6 0.0 37.2

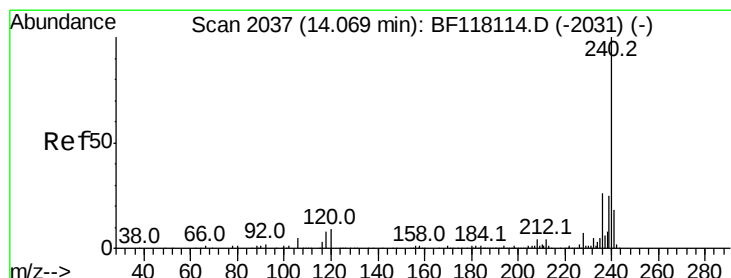
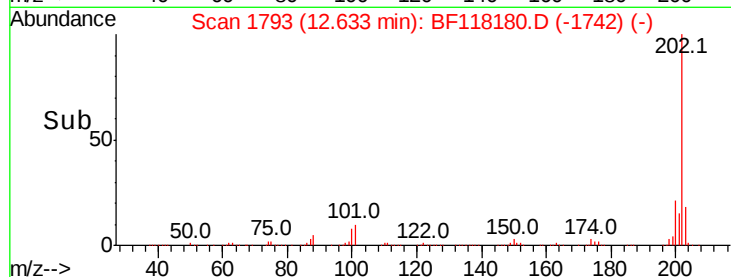
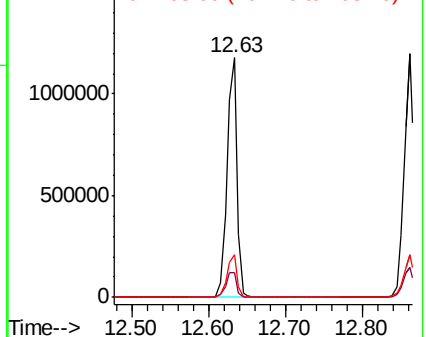
Manual Integrations
APPROVED

mohammad

12/16/2019 12:25:07 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

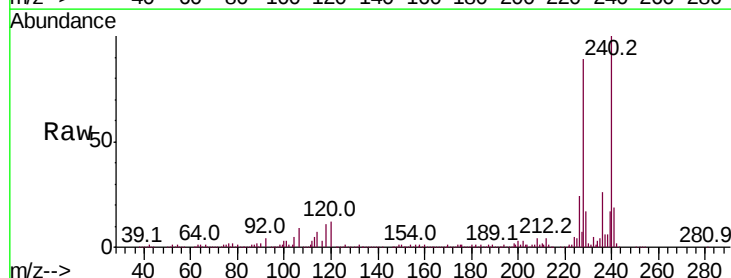
Tgt Ion:240 Resp: 340735

Ion Ratio Lower Upper

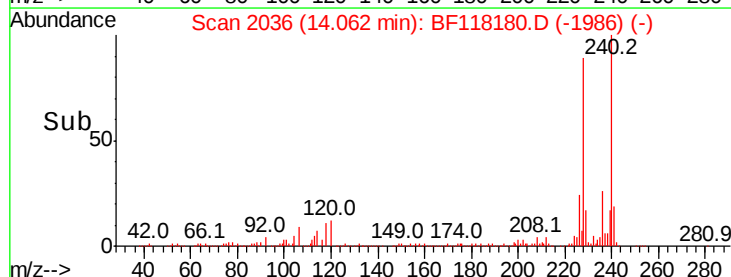
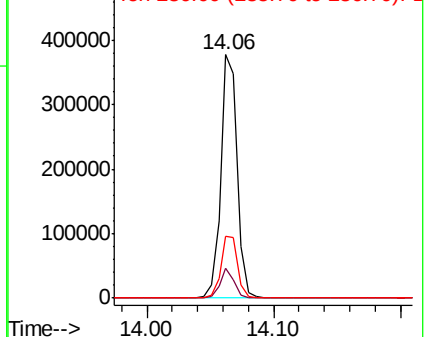
240 100

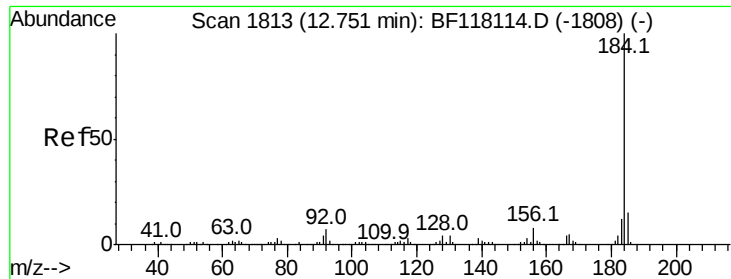
120 12.0 7.1 10.7#

236 25.7 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 48.303 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

ClientSampleId :

PB125387BSD

Tot Ion:184 Resp: 433270

Ion Ratio Lower Upper

184 100

185 14.6 12.3 18.5

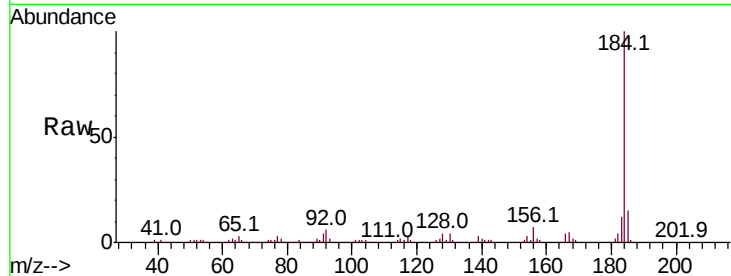
183 11.9 9.9 14.9

Manual Integrations

APPROVED

mohammad

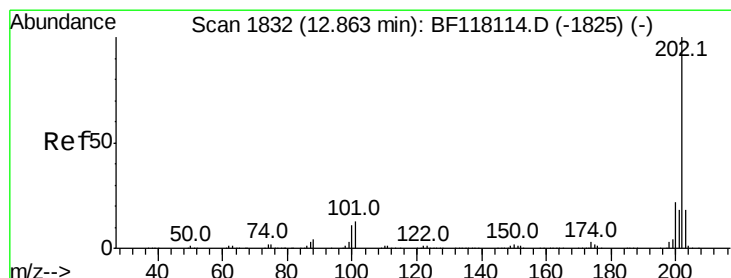
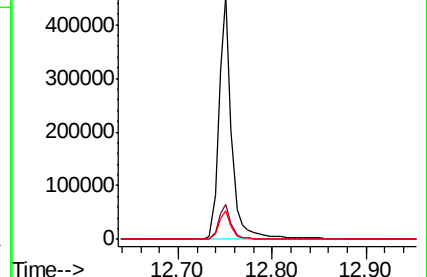
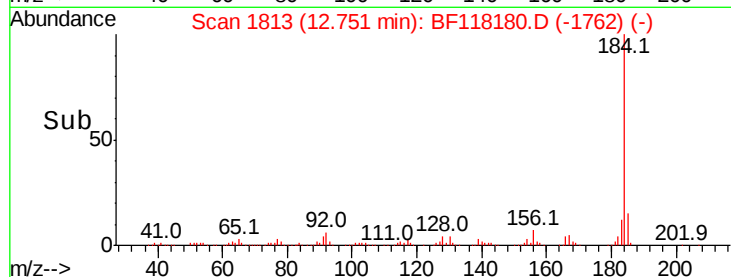
12/16/2019 12:25:07 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.480 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

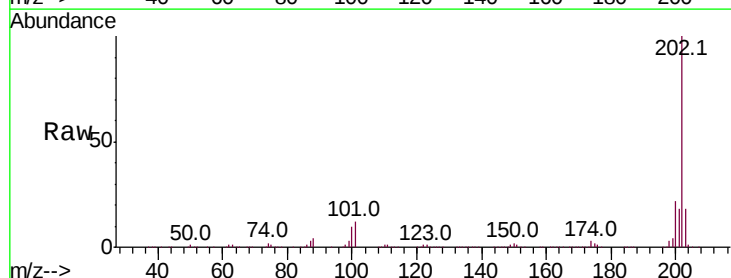
Tgt Ion:202 Resp: 1060083

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

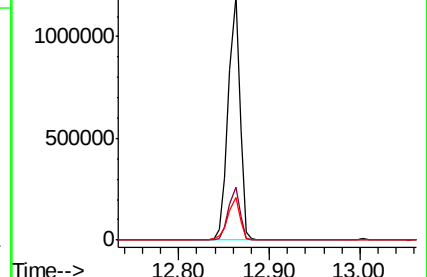
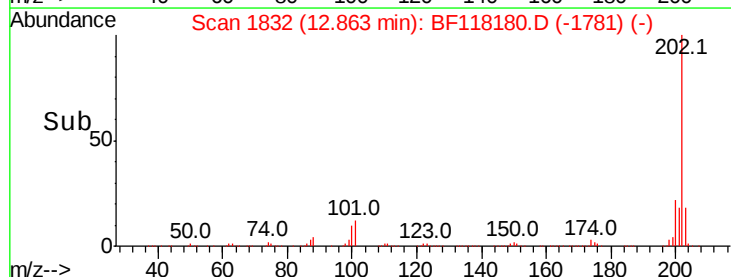
203 17.7 14.6 21.8

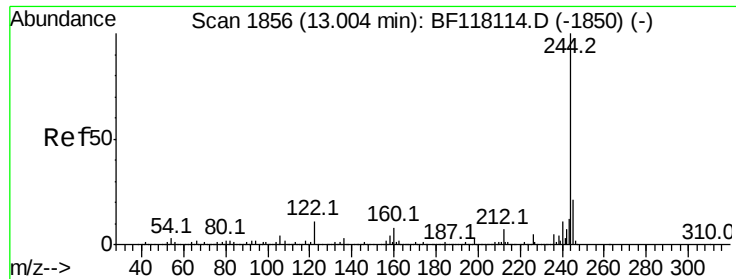


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





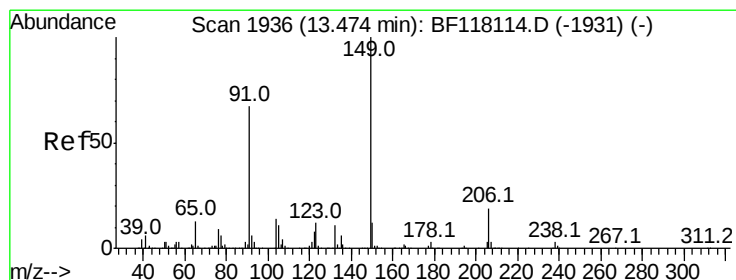
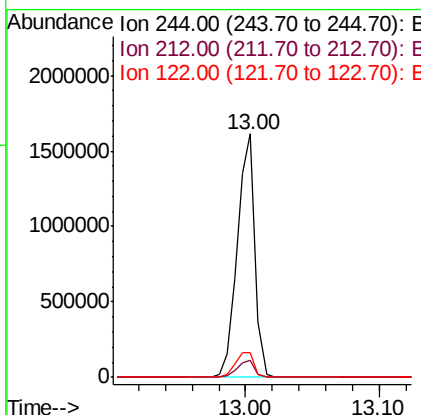
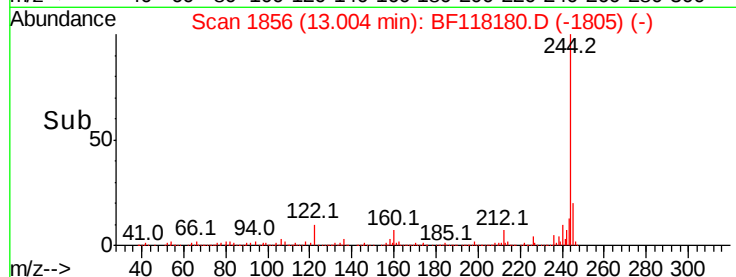
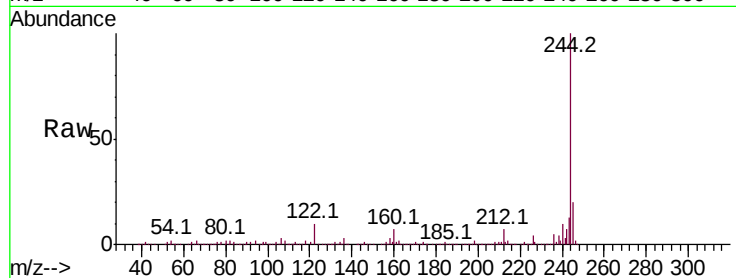
#79
 Terphenyl-d14
 Concen: 74.934 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.1	9.0	13.6

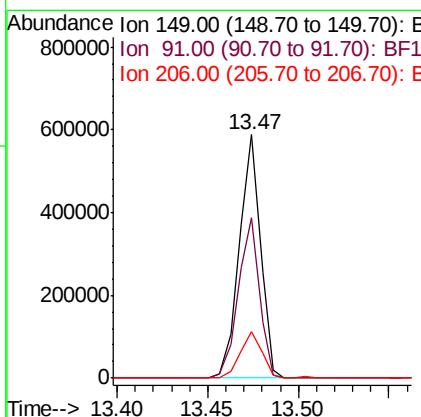
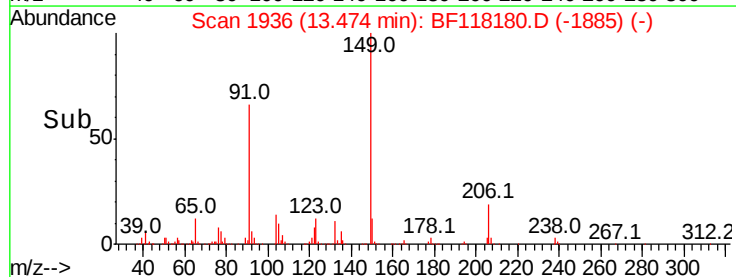
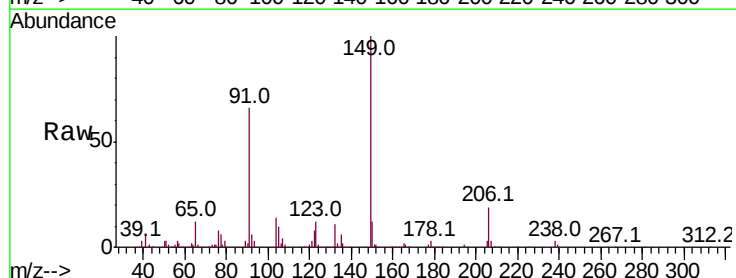
Manual Integrations
 APPROVED

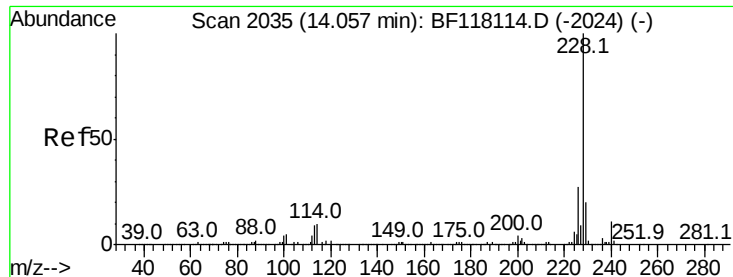
mohammad
 12/16/2019 12:25:07 PM



#80
 Butylbenzylphthalate
 Concen: 39.429 ng
 RT: 13.47 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.9	53.9	80.9
206	18.9	15.2	22.8





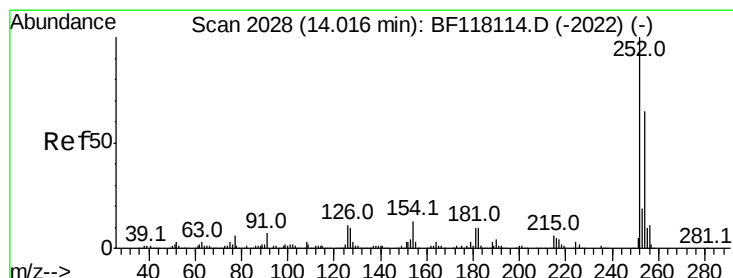
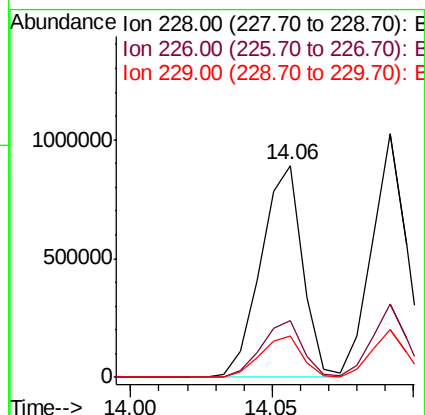
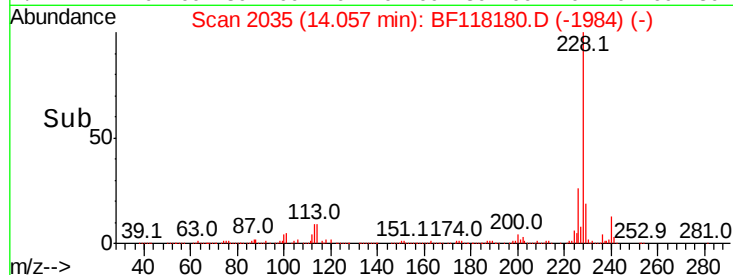
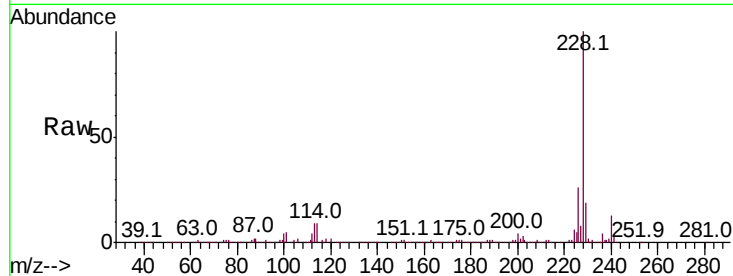
#81
Benzo(a)anthracene
Concen: 38.785 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.8
229	19.5	15.8	23.8

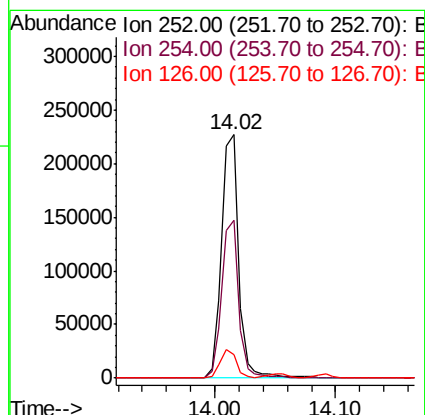
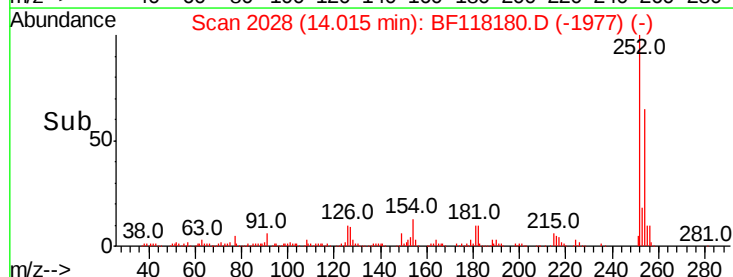
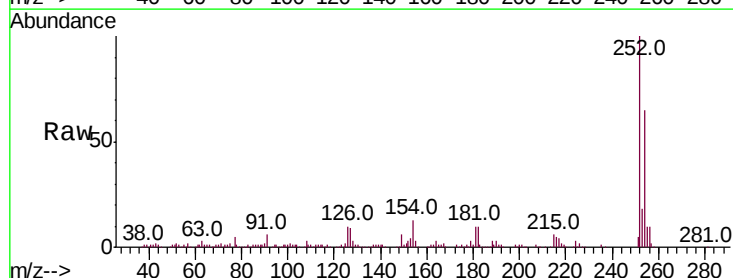
Manual Integrations
APPROVED

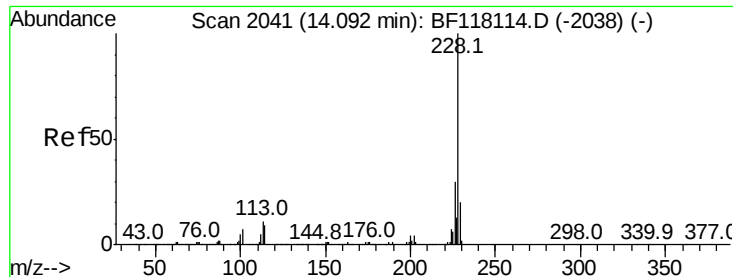
mohammad
12/16/2019 12:25:07 PM



#82
3,3'-Dichlorobenzidine
Concen: 28.682 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.2	78.4
126	9.7	8.6	13.0





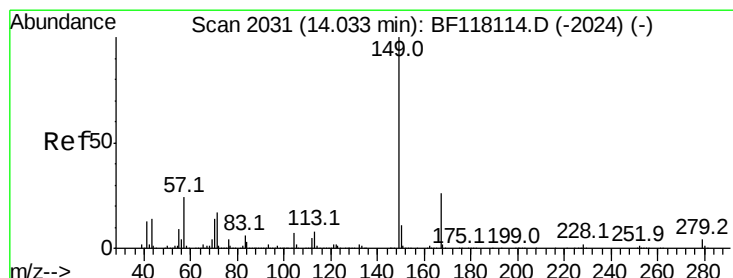
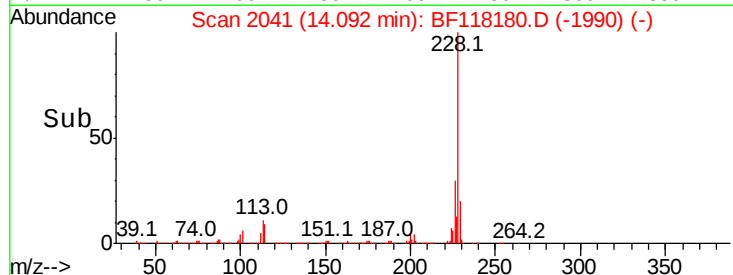
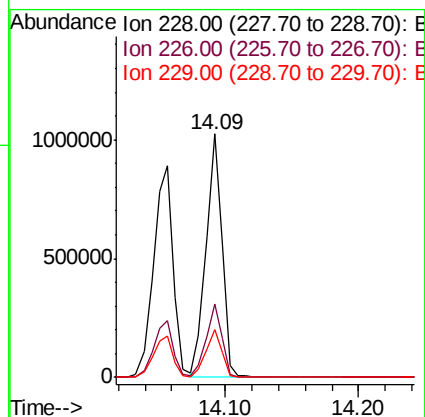
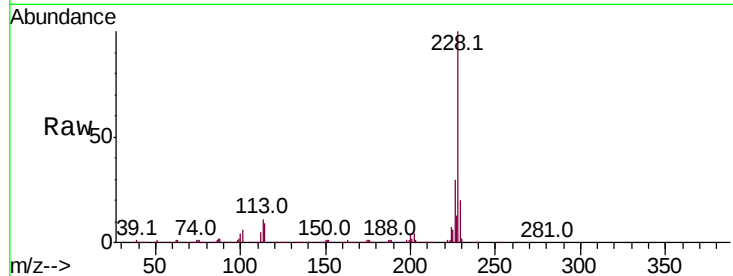
#83
 Chrvsene
 Concen: 37.906 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Instrument :
 BNA_F
 ClientSampleId :
 PB125387BSD

Tot Ion:	228	Resp:	853095
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.8
229	19.8	15.7	23.5

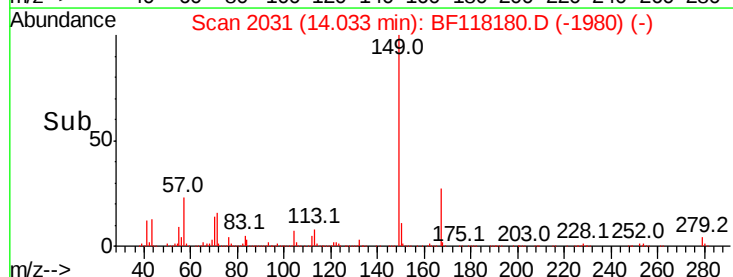
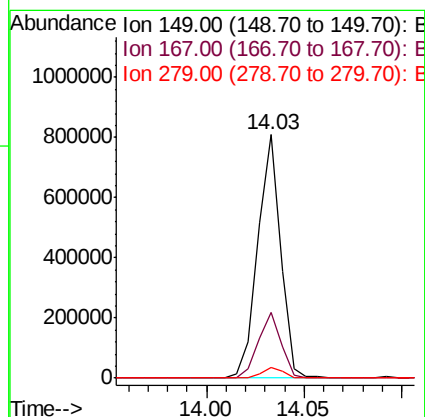
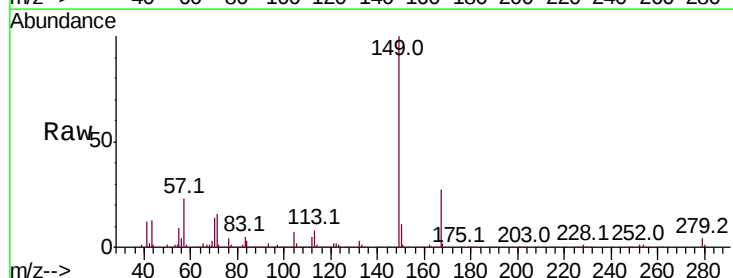
Manual Integrations
 APPROVED

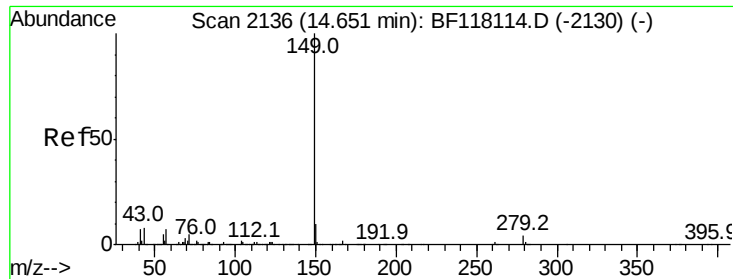
mohammad
 12/16/2019 12:25:07 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.014 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF118180.D
 Acq: 13 Dec 2019 12:21

Tgt Ion:	149	Resp:	657661
Ion Ratio	Lower	Upper	
149	100		
167	26.9	20.8	31.2
279	4.2	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 42.318 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Instrument :

BNA_F

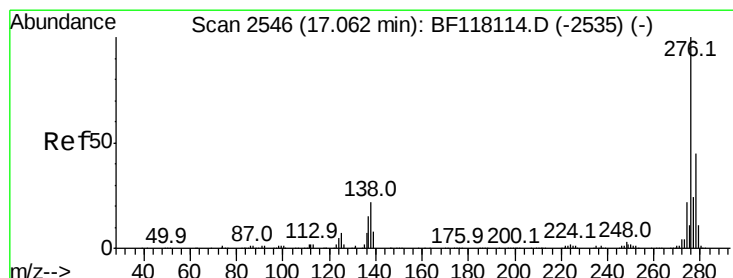
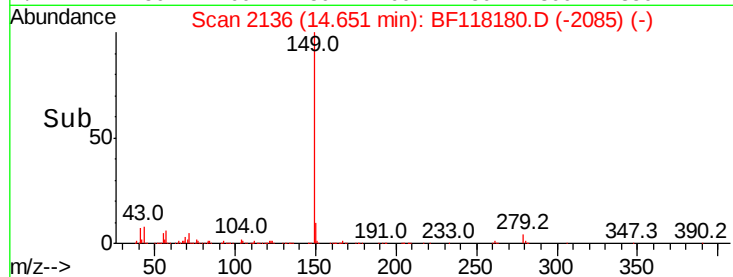
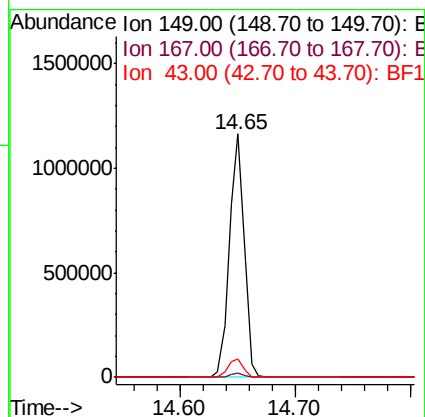
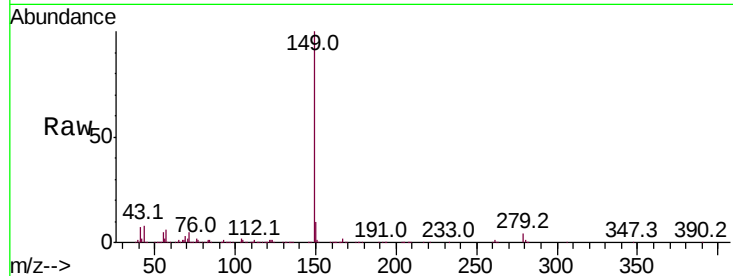
ClientSampleId :

PB125387BSD

Tot Ion:	149	Resp:	1027906
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	8.0	6.5	9.7

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 33.707 ng

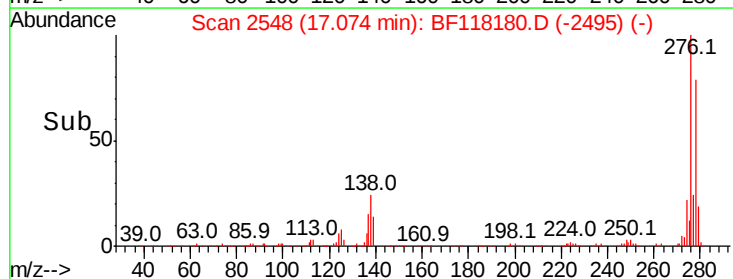
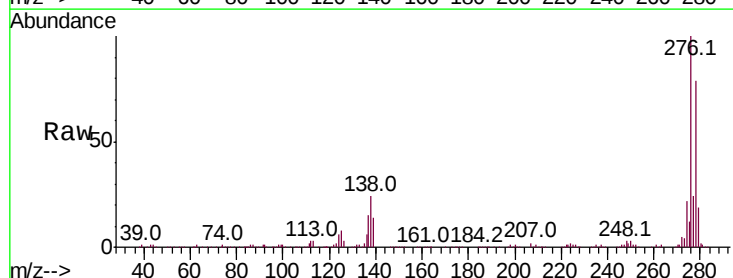
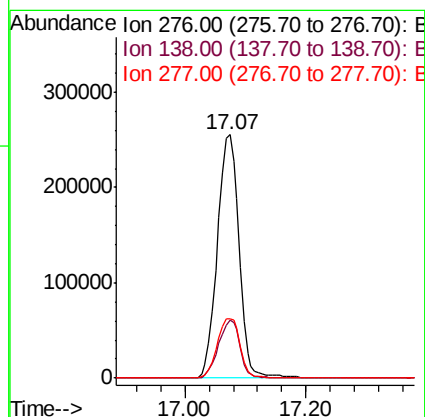
RT: 17.07 min Scan# 2548

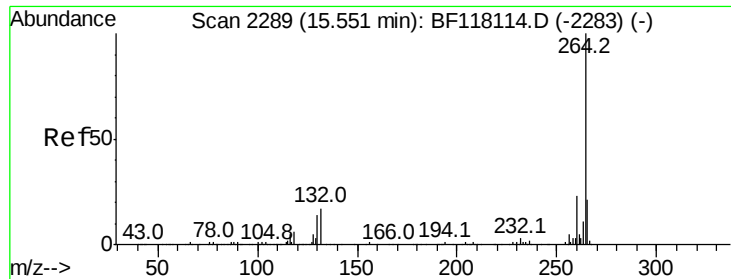
Delta R.T. 0.01 min

Lab File: BF118180.D

Acq: 13 Dec 2019 12:21

Tgt Ion:	276	Resp:	638293
Ion Ratio	Lower	Upper	
276	100		
138	23.6	18.9	28.3
277	25.8	20.4	30.6





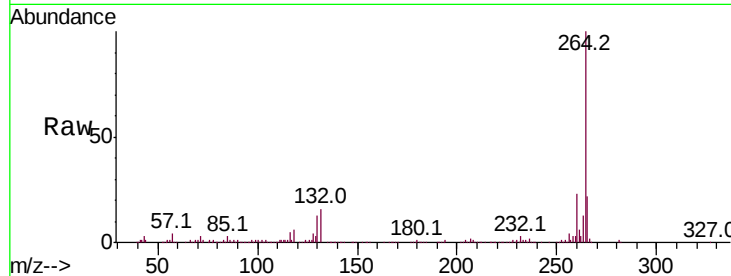
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	22.1	16.8	25.2

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM

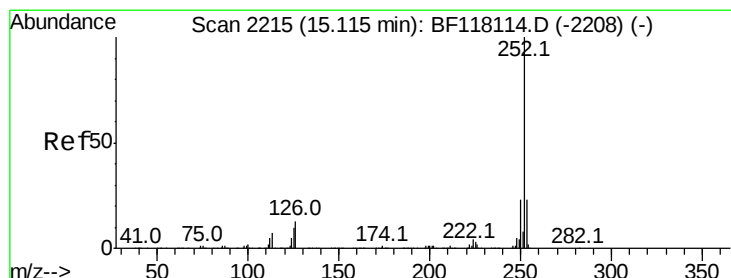
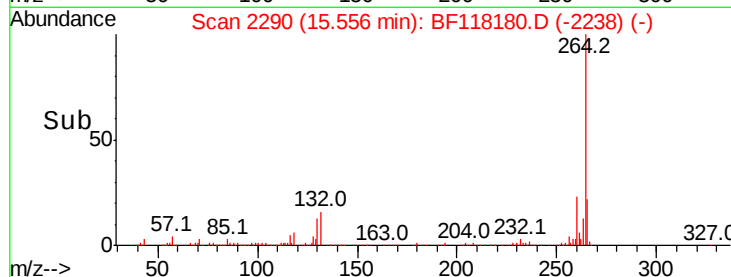
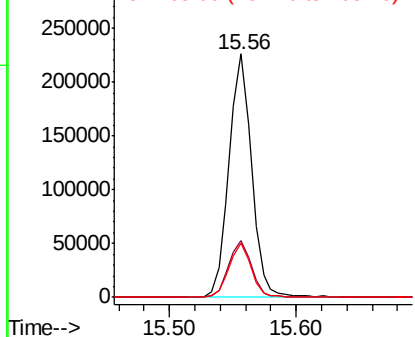


Abundance

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



#88
Benzo(b)fluoranthene
Concen: 40.450 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

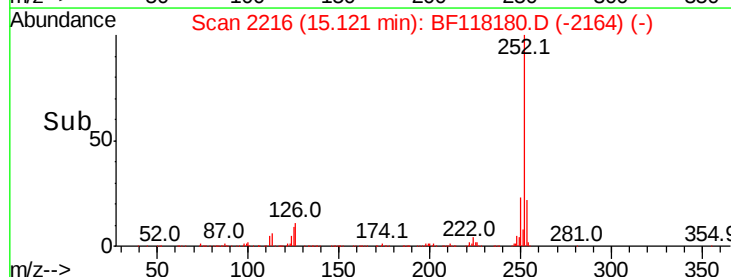
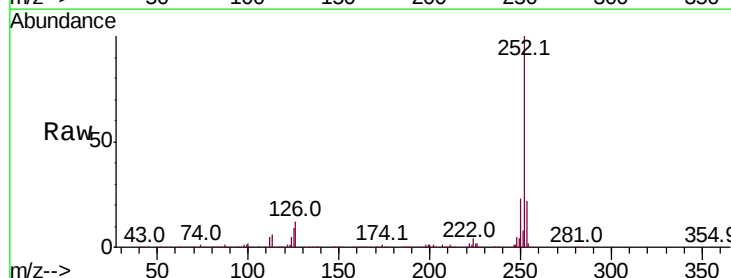
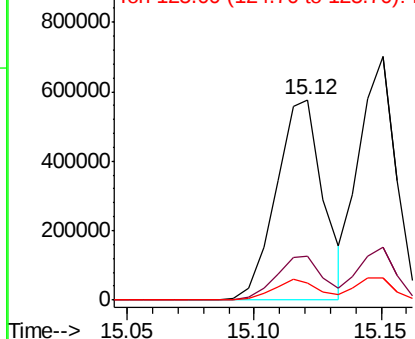
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	8.7	8.3	12.5

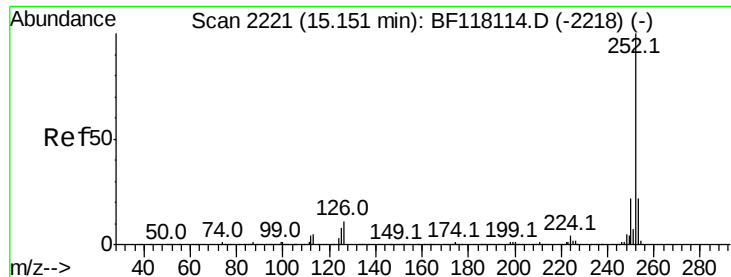
Abundance

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





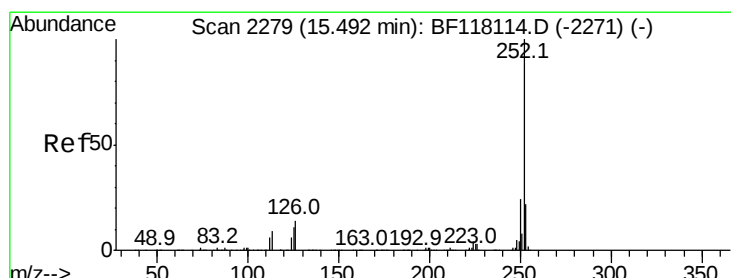
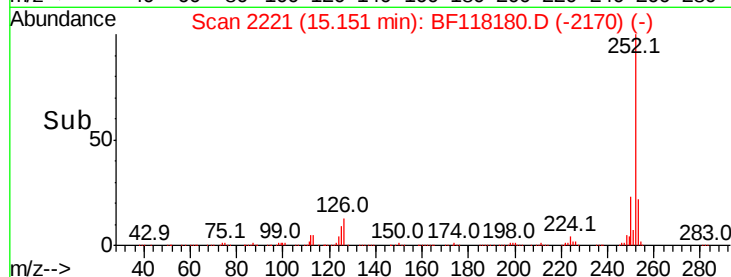
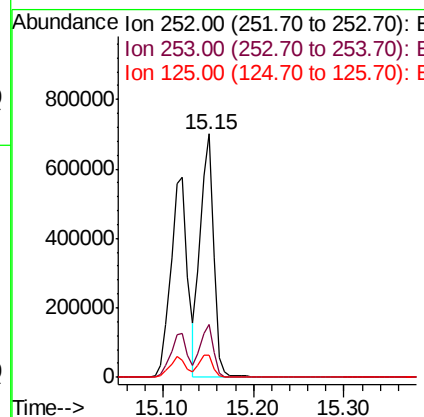
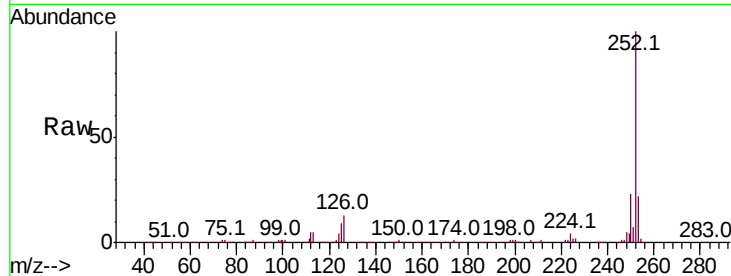
#89
Benzo(k)fluoranthene
Concen: 40.542 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	718495		
253	22.0		17.6	26.4
125	9.3		6.7	10.1

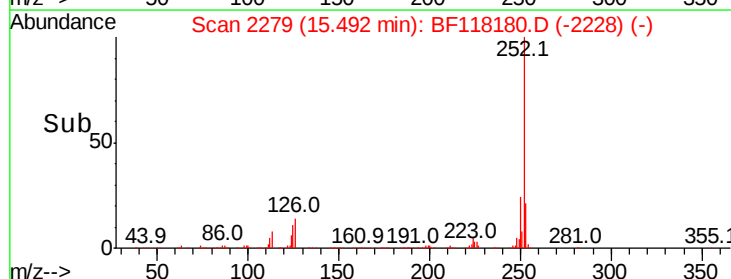
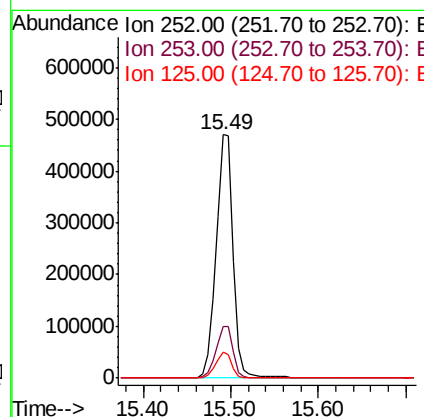
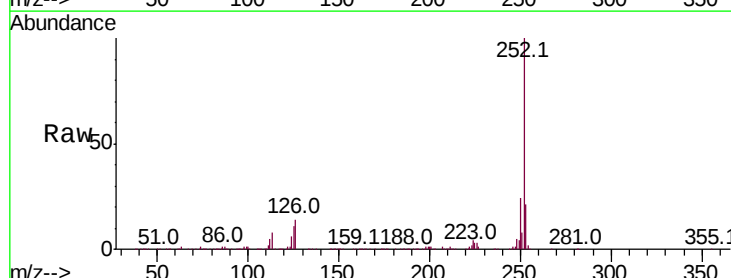
Manual Integrations
APPROVED

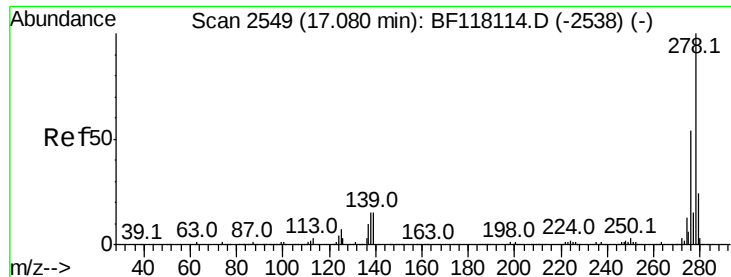
mohammad
12/16/2019 12:25:07 PM



#90
Benzo(a)pyrene
Concen: 39.004 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	635494		
253	21.1		17.5	26.3
125	10.6		9.1	13.7





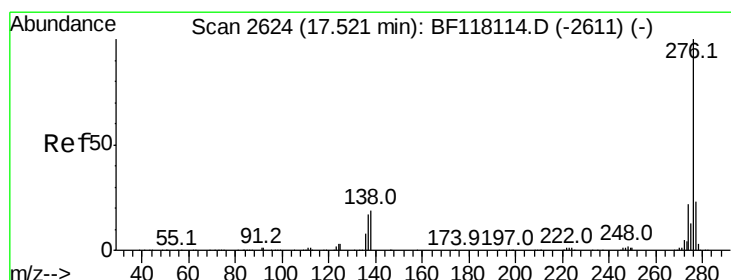
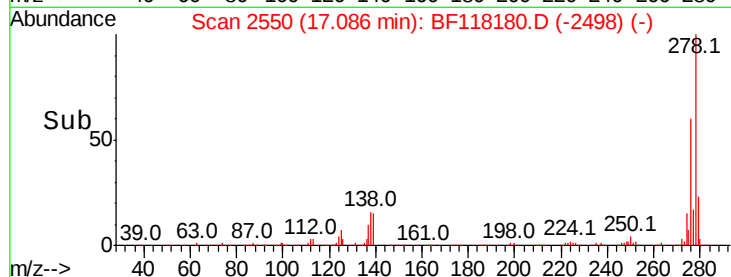
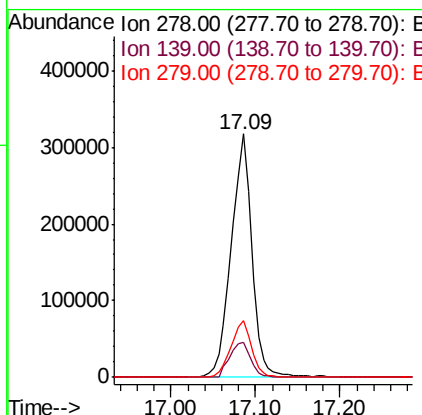
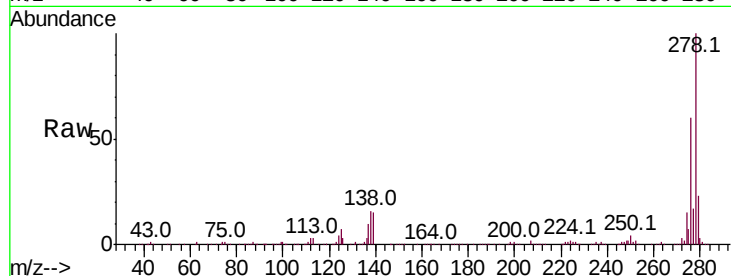
#91
Dibenzo(a,h)anthracene
Concen: 38.485 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Instrument :
BNA_F
ClientSampleId :
PB125387BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.7	17.5
279	23.1	19.0	28.4

Manual Integrations
APPROVED

mohammad
12/16/2019 12:25:07 PM



#92
Benzo(g,h,i)perylene
Concen: 38.730 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF118180.D
Acq: 13 Dec 2019 12:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.2	27.4
138	20.3	15.5	23.3

