

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116959.D
 Acq On : 11 Sep 2019 21:08
 Operator : HP/JU
 Sample : K4819-11MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM

Quant Time: Sep 12 07:29:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	63817	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	253946	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	128772	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	217766	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	192303	20.00	ng	-0.01
87) Perylene-d12	15.42	264	202635	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	392314	99.59	ng	-0.01
7) Phenol-d6	6.46	99	539553	104.31	ng	-0.02
23) Nitrobenzene-d5	7.38	82	333350	74.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	112918	131.17	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	518831	67.97	ng	-0.01
79) Terphenyl-d14	12.92	244	569320	54.77	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.54	88	52804	29.038	ng	96
3) Pyridine	3.29	79	130542	24.794	ng	88
4) n-Nitrosodimethylamine	3.22	42	54910	30.371	ng	85
6) Aniline	6.48	93	118163	16.493	ng	98
8) 2-Chlorophenol	6.61	128	161020	37.445	ng	98
9) Benzaldehyde	6.37	77	101311	29.729	ng	99
10) Phenol	6.47	94	205617	35.899	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	154031	34.537	ng	98
12) 1,3-Dichlorobenzene	6.76	146	170838	35.151	ng	97
13) 1,4-Dichlorobenzene	6.84	146	174135	35.989	ng	99
14) 1,2-Dichlorobenzene	6.99	146	159342	35.535	ng	95
15) Benzyl Alcohol	6.96	79	150894	35.938	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	145110	27.732	ng	90
17) 2-Methylphenol	7.07	107	137123	36.427	ng	98
18) Hexachloroethane	7.34	117	65626	34.910	ng	95
19) n-Nitroso-di-n-propylamine	7.23	70	116998	34.353	ng	90
20) 3+4-Methylphenols	7.23	107	168191	38.427	ng	# 67
22) Acetophenone	7.23	105	237797	38.895	ng	# 96
24) Nitrobenzene	7.40	77	175576	38.808	ng	99
25) Isophorone	7.64	82	325377	36.097	ng	99
26) 2-Nitrophenol	7.72	139	82274	48.914	ng	91
27) 2,4-Dimethylphenol	7.76	122	138361	40.731	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	195535	35.498	ng	99
29) 2,4-Dichlorophenol	7.96	162	132985	40.736	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	131269	37.072	ng	95
31) Naphthalene	8.13	128	463315	38.369	ng	100
32) Benzoic acid	7.85	122	32049	16.709	ng	96
33) 4-Chloroaniline	8.17	127	57083	10.385	ng	96
34) Hexachlorobutadiene	8.25	225	73422	38.029	ng	96
35) Caprolactam	8.52	113	47311m	38.724	ng	
36) 4-Chloro-3-methylphenol	8.66	107	158671	42.289	ng	99
37) 2-Methylnaphthalene	8.82	142	310188	38.607	ng	98
38) 1-Methylnaphthalene	8.92	142	283062	37.321	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	118362	38.343	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116959.D
 Acq On : 11 Sep 2019 21:08
 Operator : HP/JU
 Sample : K4819-11MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM

Quant Time: Sep 12 07:29:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	118203	66.310	nq	96
43) 2,4,6-Trichlorophenol	9.10	196	82285	38.886	nq	95
44) 2,4,5-Trichlorophenol	9.14	196	89634	40.801	nq	# 89
46) 1,1'-Biphenyl	9.28	154	360040	36.846	nq	99
47) 2-Chloronaphthalene	9.30	162	281180	36.331	nq	97
48) 2-Nitroaniline	9.40	65	94688	42.320	nq	98
49) Acenaphthylene	9.72	152	445583	38.087	nq	98
50) Dimethylphthalate	9.58	163	414185	46.588	nq	# 98
51) 2,6-Dinitrotoluene	9.64	165	74081	43.674	nq	95
52) Acenaphthene	9.89	154	285234	39.681	nq	98
53) 3-Nitroaniline	9.80	138	65251	30.696	nq	# 89
54) 2,4-Dinitrophenol	9.92	184	33428	58.305	nq	# 89
55) Dibenzofuran	10.06	168	390297	38.516	nq	92
56) 4-Nitrophenol	9.97	139	122393	83.972	nq	86
57) 2,4-Dinitrotoluene	10.05	165	100432	48.423	nq	# 97
58) Fluorene	10.41	166	315300	40.836	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.19	232	65915	41.574	nq	# 97
60) Diethylphthalate	10.27	149	333409	37.439	nq	99
61) 4-Chlorophenyl-phenylether	10.40	204	133607	39.516	nq	89
62) 4-Nitroaniline	10.42	138	84564	40.992	nq	91
63) Azobenzene	10.56	77	353787	38.099	nq	93
65) 4,6-Dinitro-2-methylphenol	10.46	198	30303	39.369	nq	# 57
66) n-Nitrosodiphenylamine	10.52	169	338660	44.955	nq	94
67) 4-Bromophenyl-phenylether	10.89	248	82261	37.185	nq	96
68) Hexachlorobenzene	10.96	284	85396	36.895	nq	96
69) Atrazine	11.04	200	82919	39.301	nq	97
70) Pentachlorophenol	11.15	266	79852	71.318	nq	99
71) Phenanthrene	11.37	178	480717	39.656	nq	99
72) Anthracene	11.42	178	480825	39.403	nq	99
73) Carbazole	11.57	167	461856	39.734	nq	98
74) Di-n-butylphthalate	11.90	149	582629	39.099	nq	99
75) Fluoranthene	12.55	202	527833	44.307	nq	100
77) Benzidine	12.66	184	243876	32.333	nq	99
78) Pyrene	12.78	202	538365	31.494	nq	98
80) Butylbenzylphthalate	13.39	149	270586	32.550	nq	95
81) Benzo(a)anthracene	13.96	228	457005	37.549	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	52496	12.763	nq	96
83) Chrysene	14.00	228	455067	36.292	nq	100
84) Bis(2-ethylhexyl)phthalate	13.95	149	386672	37.681	nq	99
85) Di-n-octyl phthalate	14.56	149	658923	39.238	nq	# 94
86) Indeno(1,2,3-cd)pyrene	16.85	276	433307	43.023	nq	98
88) Benzo(b)fluoranthene	15.00	252	419910	34.276	nq	99
89) Benzo(k)fluoranthene	15.03	252	421148	37.703	nq	100
90) Benzo(a)pyrene	15.36	252	405899	38.082	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	359132	38.494	nq	99
92) Benzo(g,h,i)perylene	17.29	276	356525	37.470	nq	97

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

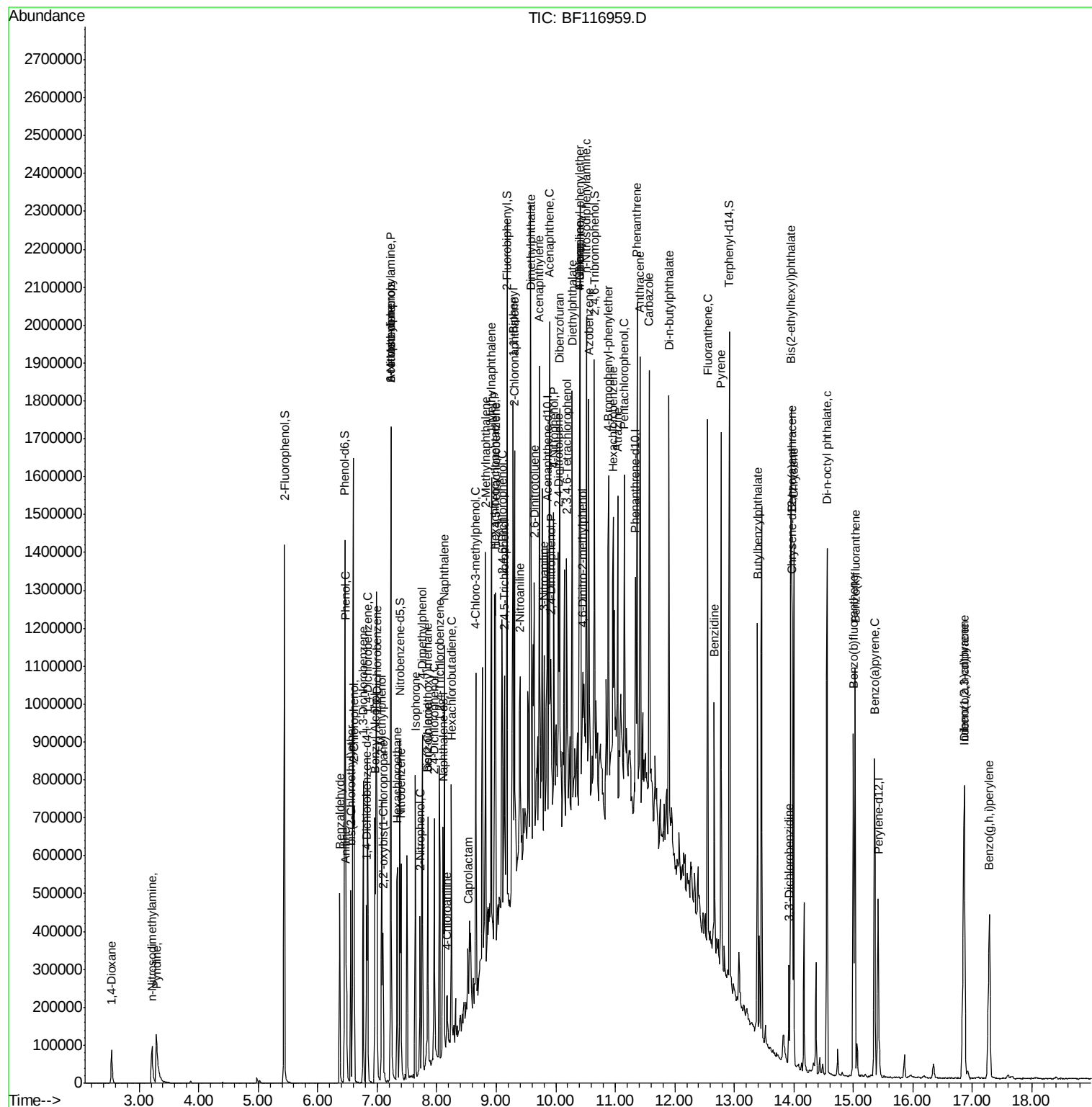
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116959.D
 Acq On : 11 Sep 2019 21:08
 Operator : HP/JU
 Sample : K4819-11MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM

Quant Time: Sep 12 07:29:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

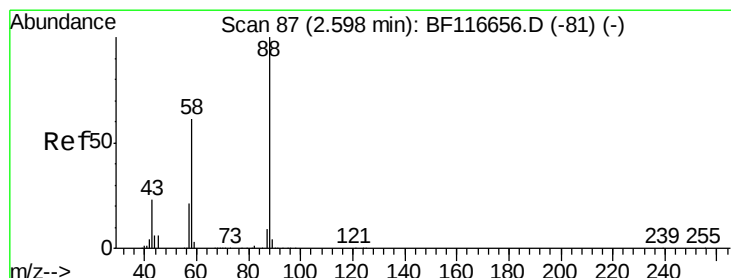
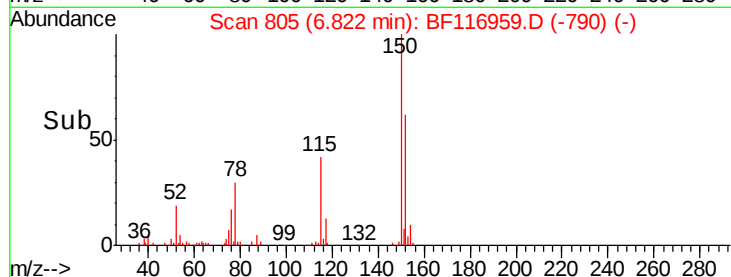
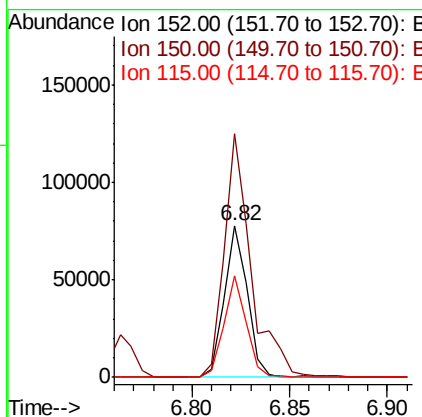
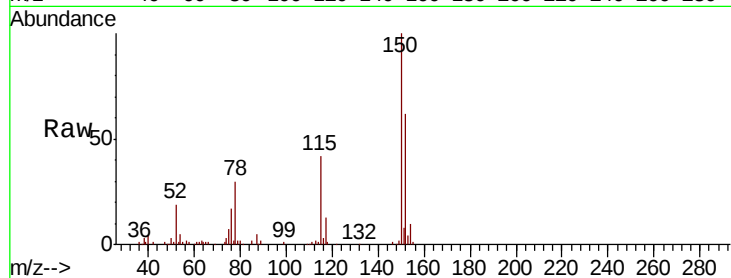
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	152	Resp:	63817
Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.4	186.6
115	67.0	49.9	74.9

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#2

1,4-Dioxane

Concen: 29.038 ng

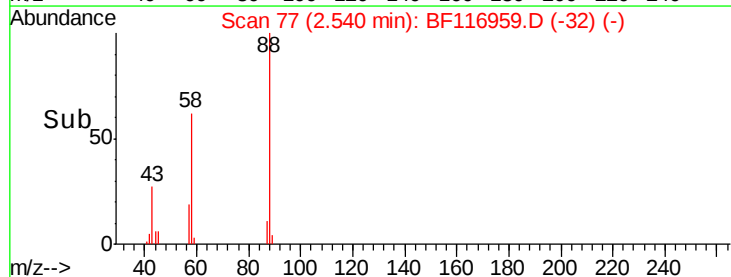
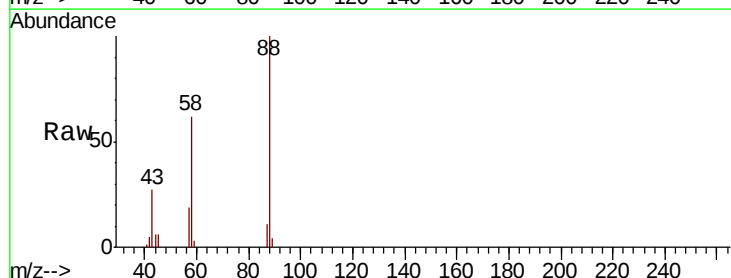
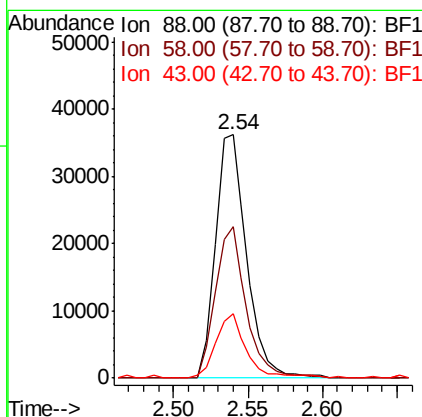
RT: 2.54 min Scan# 77

Delta R.T. -0.04 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	88	Resp:	52804
Ion	Ratio	Lower	Upper
88	100		
58	61.5	51.7	77.5
43	26.3	19.8	29.8





#3

Pvridine

Concen: 24.794 ng

RT: 3.29 min Scan# 204

Delta R.T. -0.03 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

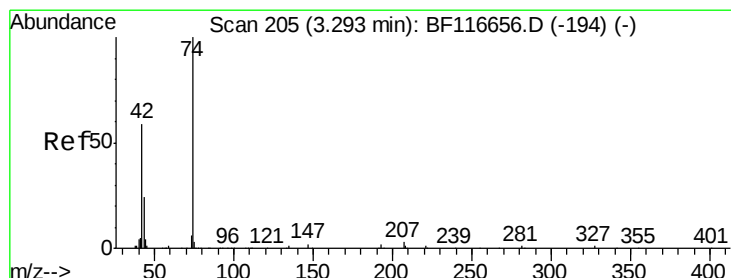
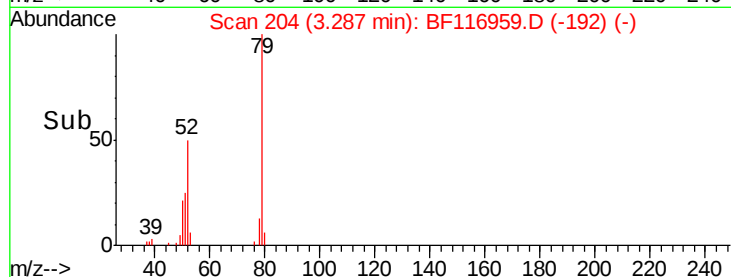
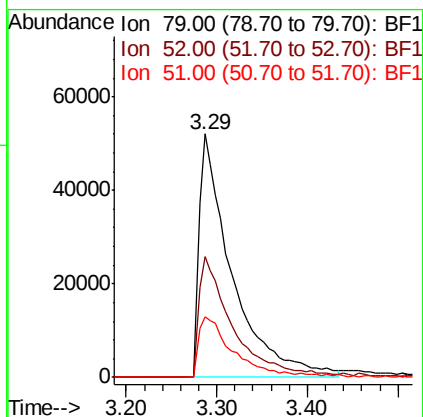
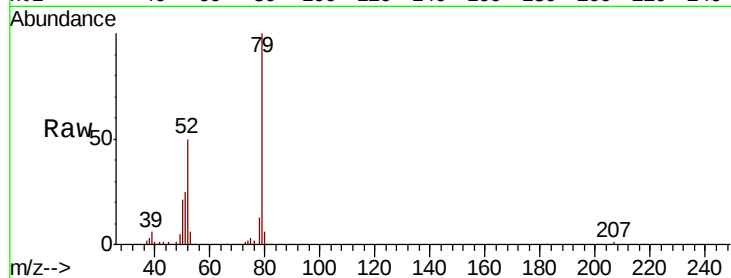
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	79	Resp:	130542
Ion Ratio	Lower	Upper	
79	100		
52	49.7	47.4	71.0
51	24.9	24.1	36.1

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#4

n-Nitrosodimethylamine

Concen: 30.371 ng

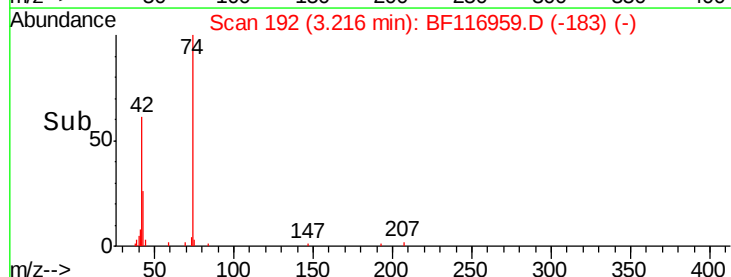
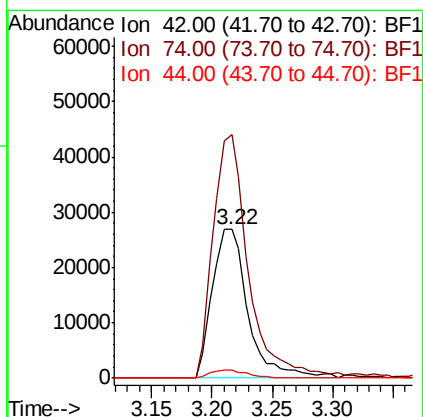
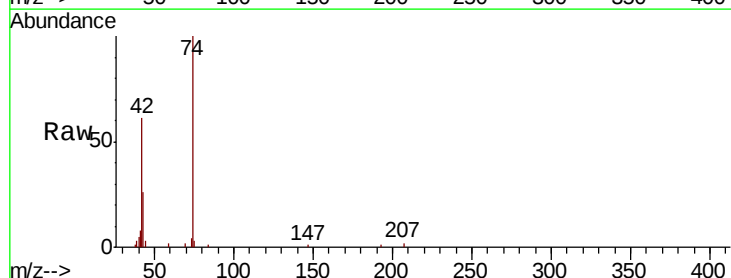
RT: 3.22 min Scan# 192

Delta R.T. -0.05 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	42	Resp:	54910
Ion Ratio	Lower	Upper	
42	100		
74	163.9	115.6	173.4
44	5.7	4.6	7.0





#5

2-Fluorophenol

Concen: 99.593 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

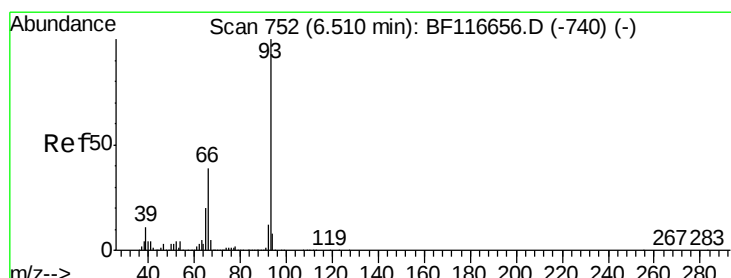
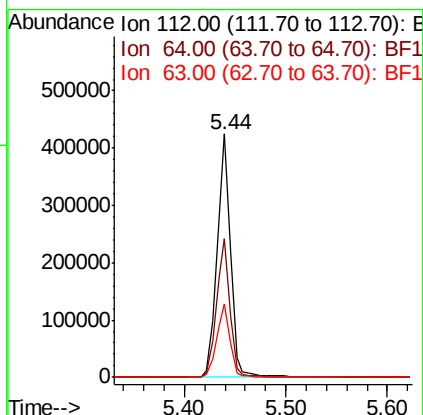
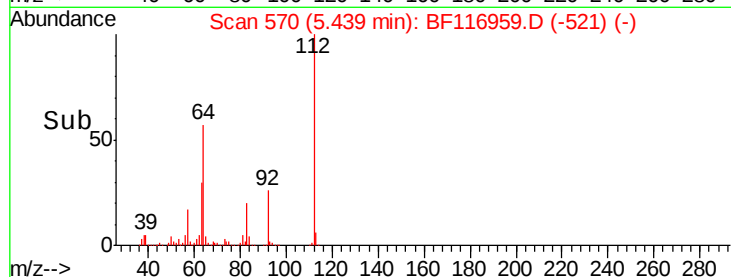
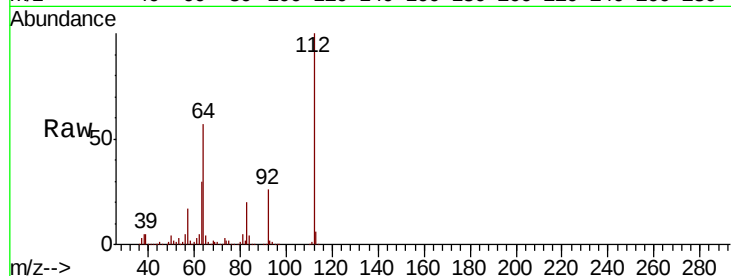
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	112	Resp:	392314
Ion Ratio	Lower	Upper	
112	100		
64	56.8	47.1	70.7
63	30.2	24.9	37.3

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#6

Aniline

Concen: 16.493 ng

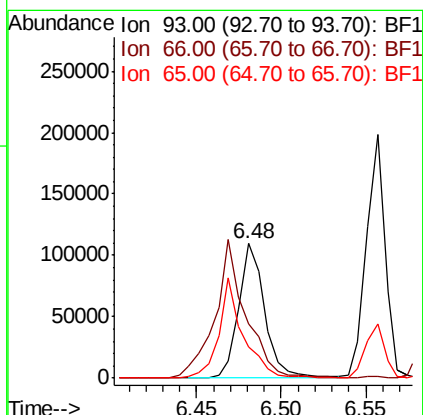
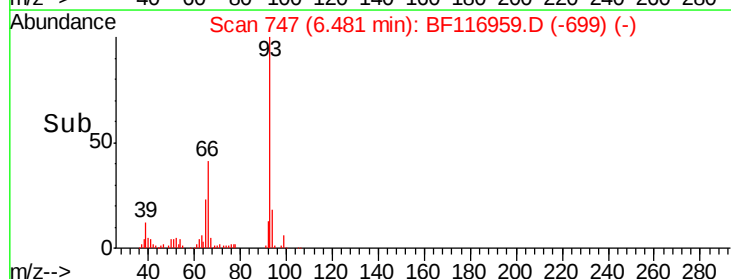
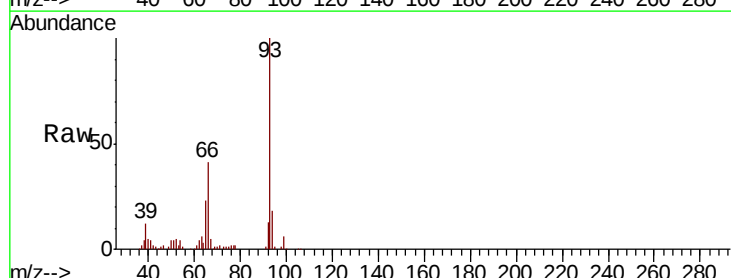
RT: 6.48 min Scan# 747

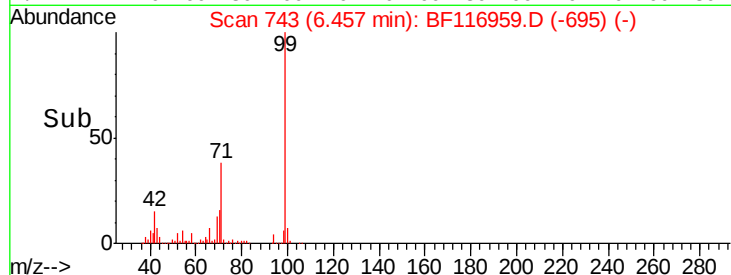
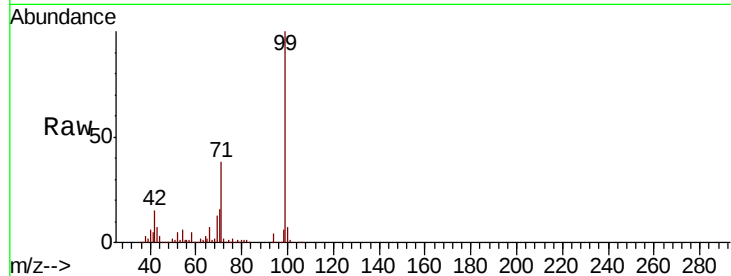
Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	93	Resp:	118163
Ion Ratio	Lower	Upper	
93	100		
66	40.6	32.7	49.1
65	22.7	16.3	24.5





#7

Phenol-d6

Concen: 104.310 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tot Ion:	99	Resp:	539553
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.7	20.5
71	37.5	30.8	46.2

Instrument :

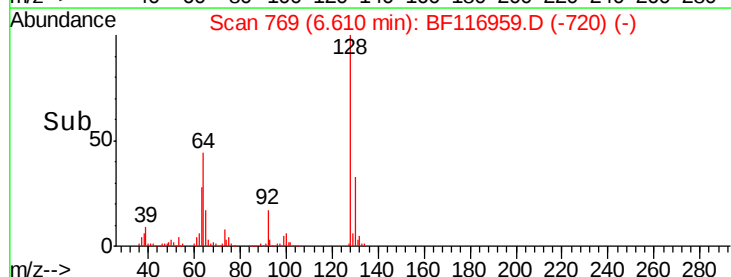
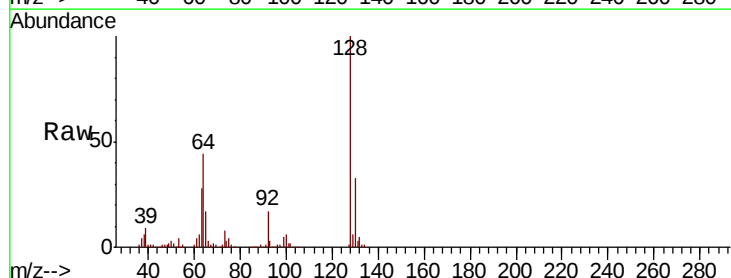
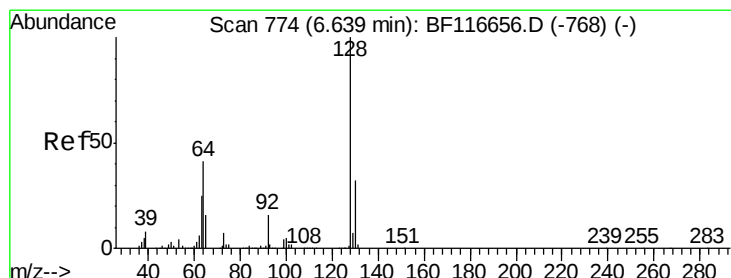
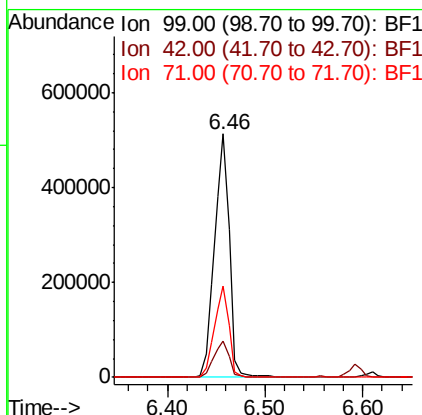
BNA_F

ClientSampleId :

TP-7-D(4-10)MSD

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#8

2-Chlorophenol

Concen: 37.445 ng

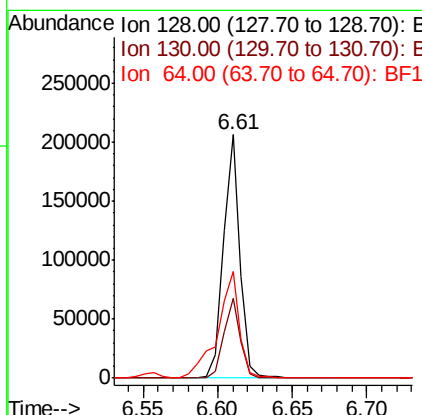
RT: 6.61 min Scan# 769

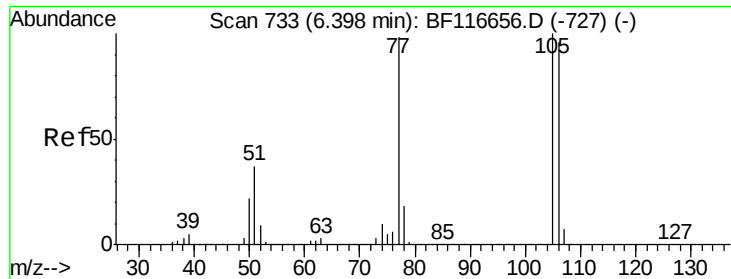
Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	128	Resp:	161020
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.3	52.3
64	43.9	22.5	62.5





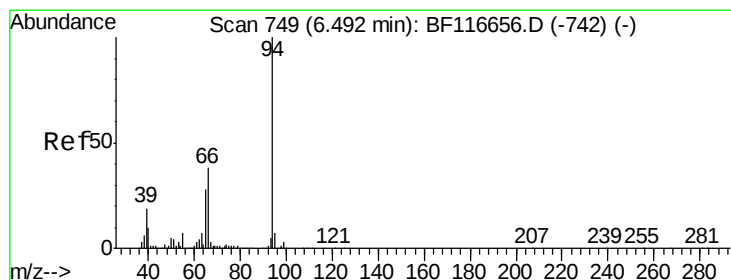
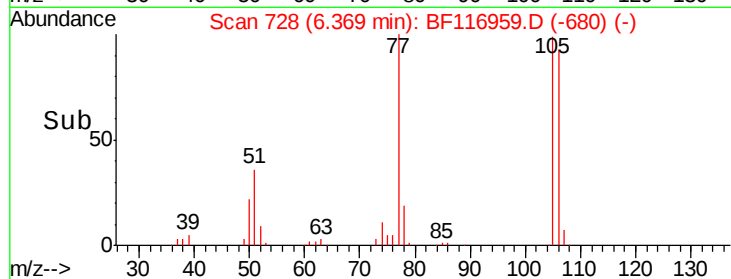
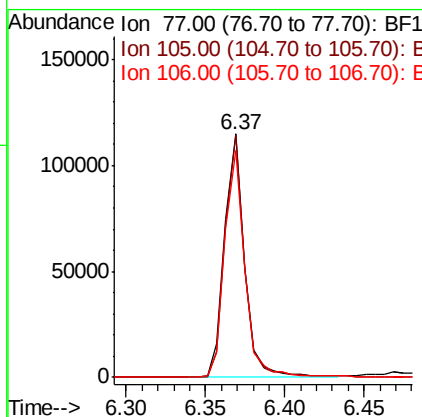
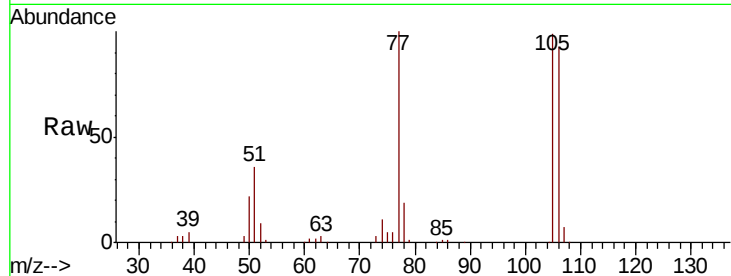
#9
Benzaldehyde
Concen: 29.729 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	99.4	76.7	116.7
106	93.3	73.1	113.1

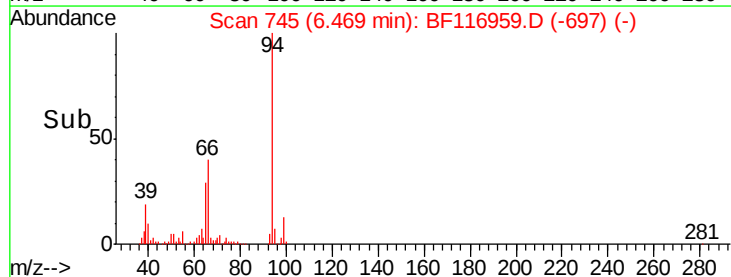
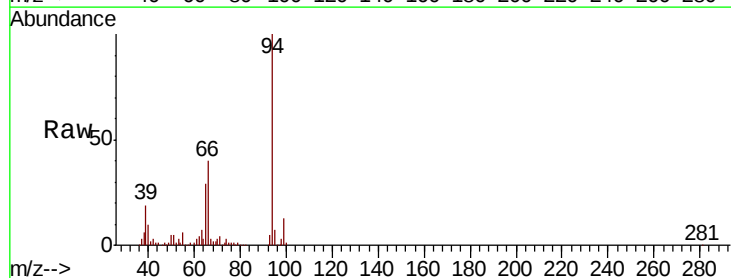
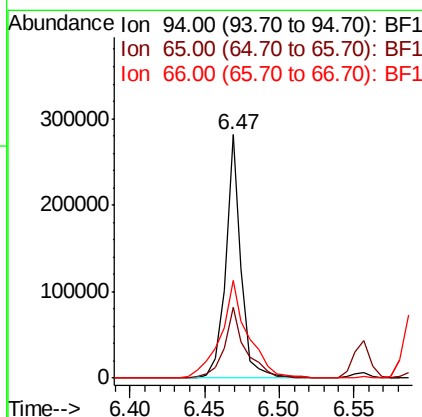
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#10
Phenol
Concen: 35.899 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.8	50.8
66	40.1	21.1	61.1





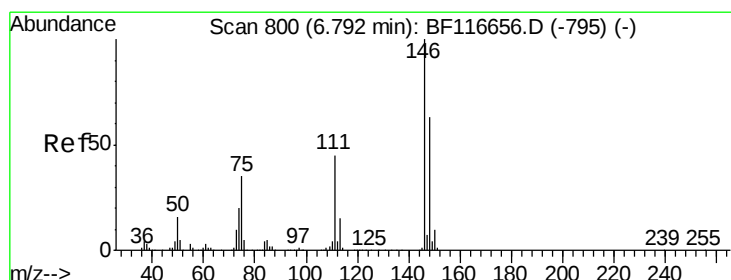
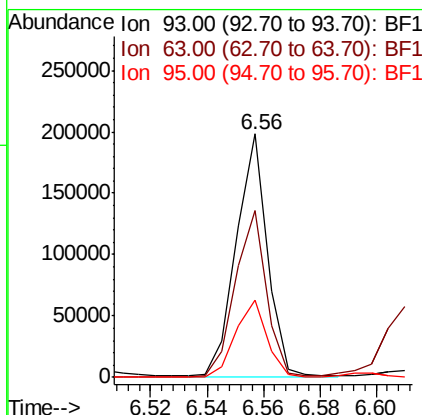
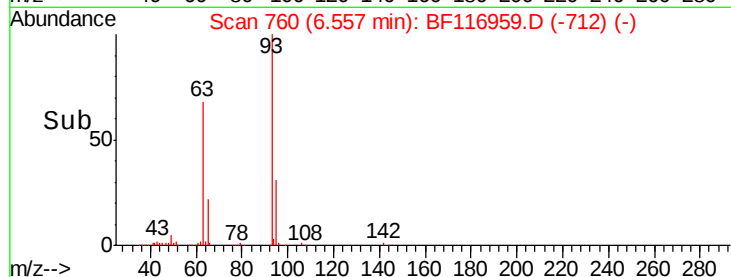
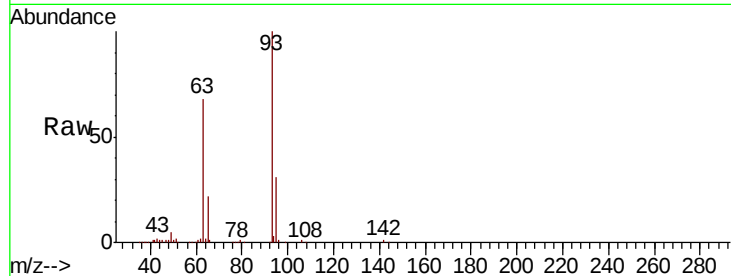
#11
bis(2-Chloroethyl)ether
Concen: 34.537 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		154031		
63	68.3	49.9	89.9		
95	31.5	12.7	52.7		

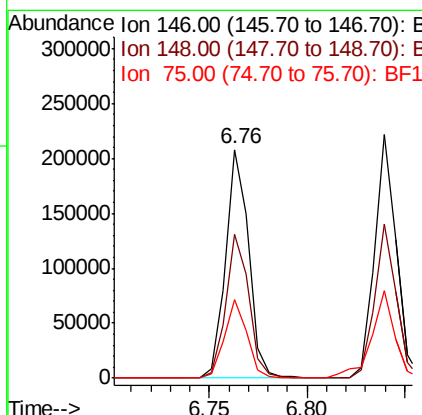
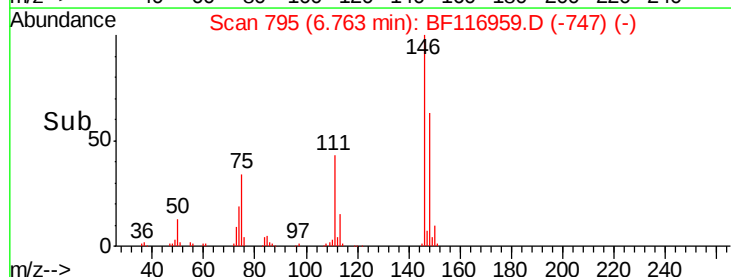
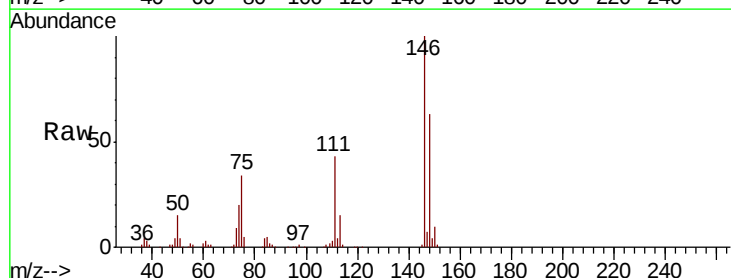
Manual Integrations
APPROVED

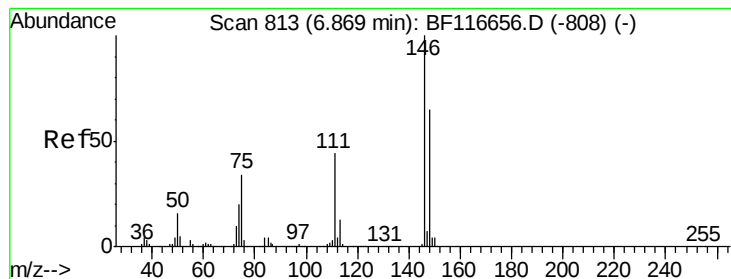
mohammad
9/16/2019 8:57:57 AM



#12
1,3-Dichlorobenzene
Concen: 35.151 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		170838		
148	62.7	51.4	77.0		
75	34.1	29.6	44.4		





#13

1,4-Dichlorobenzene

Concen: 35.989 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

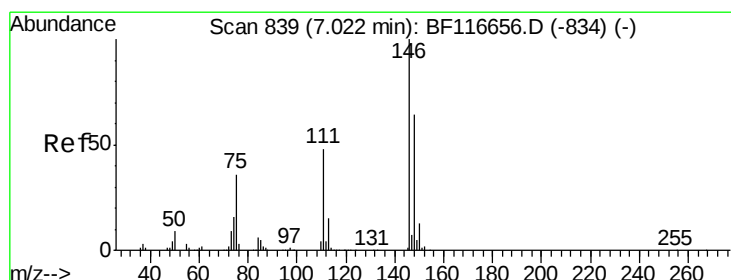
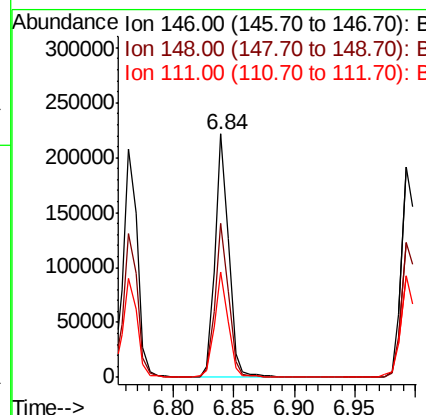
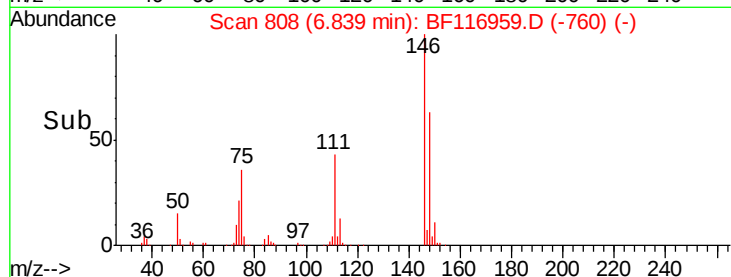
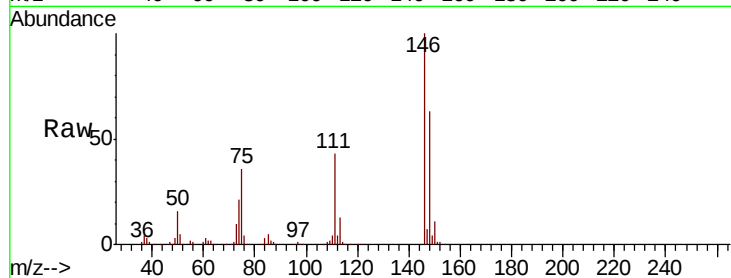
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	146	Resp:	174135
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.4	77.2
111	43.1	34.8	52.2

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#14

1,2-Dichlorobenzene

Concen: 35.535 ng

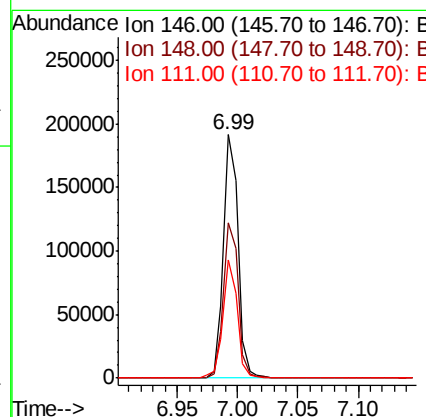
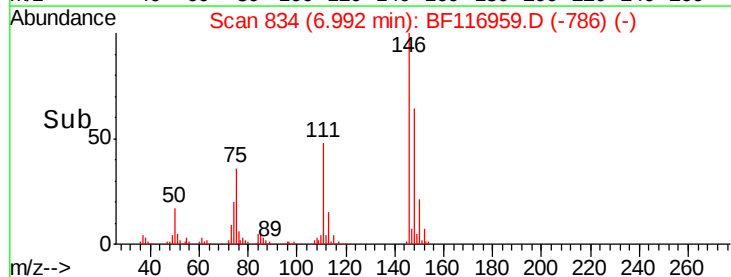
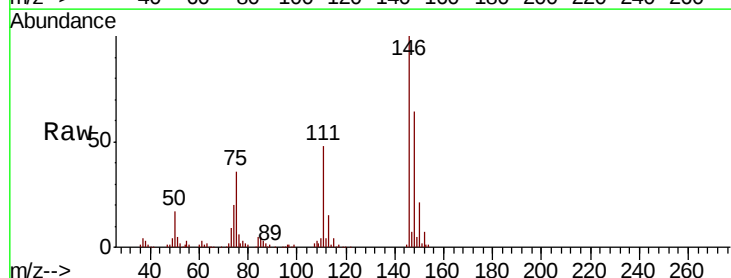
RT: 6.99 min Scan# 834

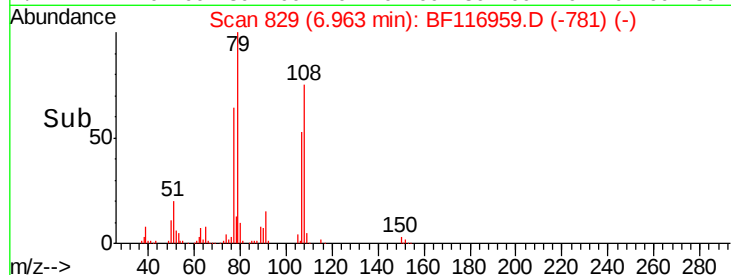
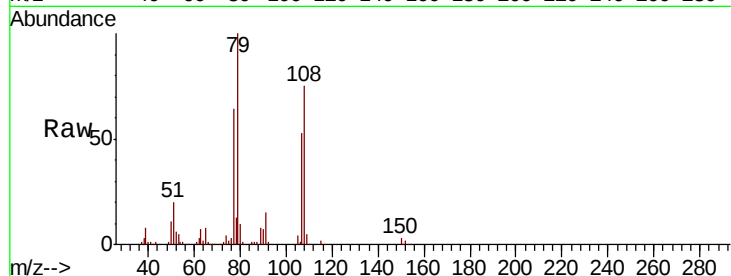
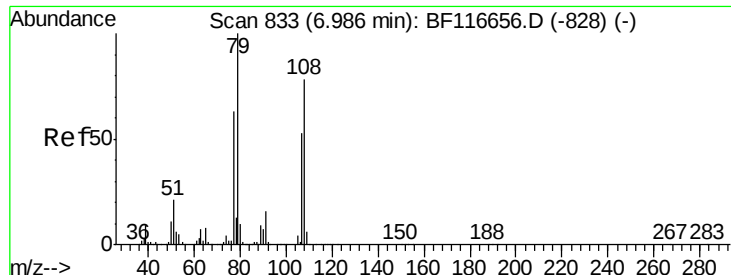
Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	146	Resp:	159342
Ion Ratio	Lower	Upper	
146	100		
148	64.0	52.6	78.8
111	48.4	34.2	51.4





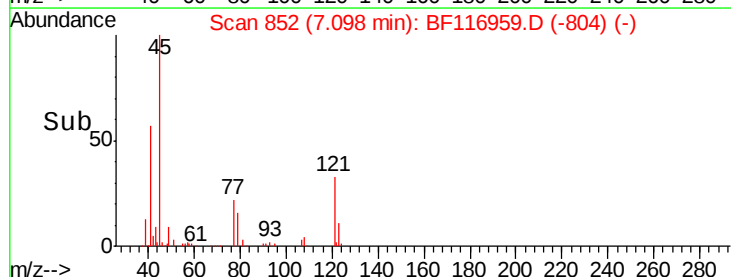
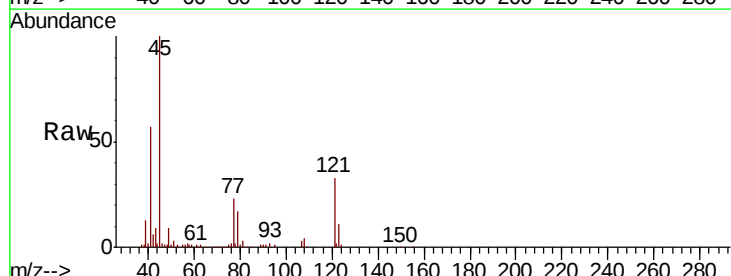
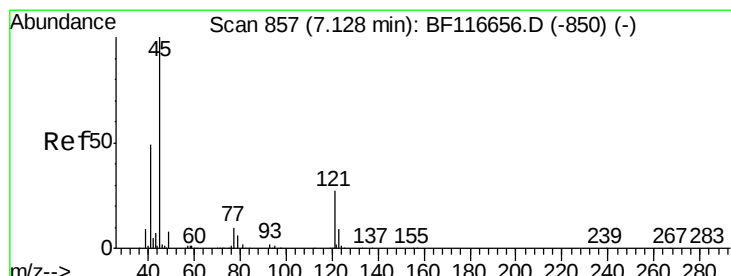
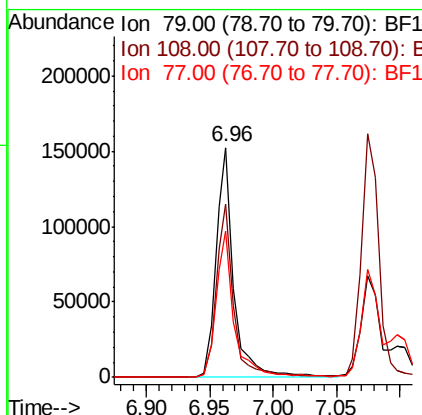
#15
Benzyl Alcohol
Concen: 35.938 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tot Ion	Ratio	Resp	Lower	Upper
79	100	150894		
108	75.2	59.2	88.8	
77	63.8	53.0	79.4	

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

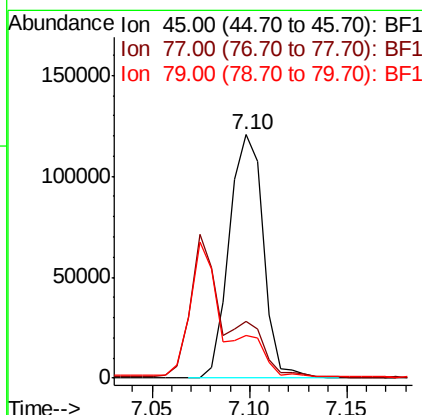
Manual Integrations
APPROVED

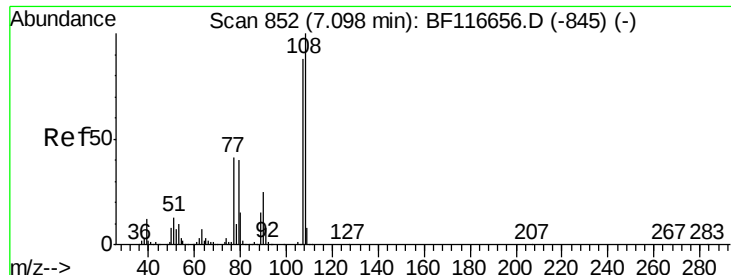
mohammad
9/16/2019 8:57:57 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 27.732 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	145110		
77	23.3	0.0	38.2	
79	17.4	0.0	33.9	





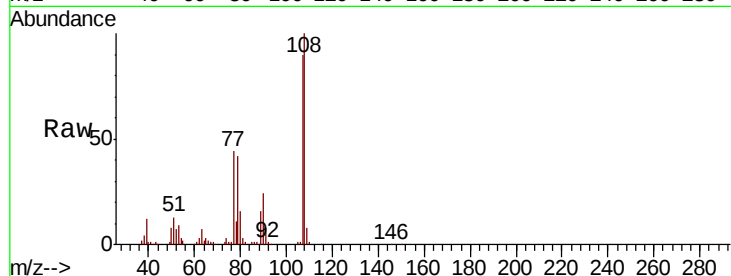
#17
2-Methylphenol
Concen: 36.427 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.0	88.3	132.5	
77	49.0	39.9	59.9	
79	46.5	39.8	59.8	

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



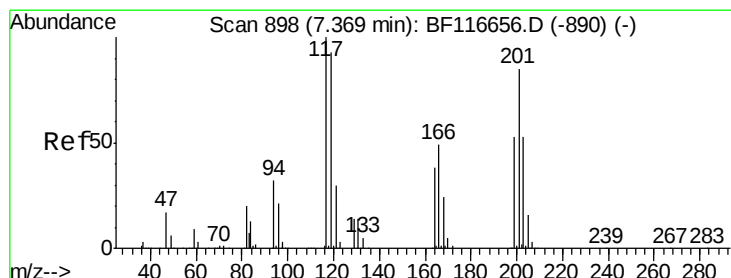
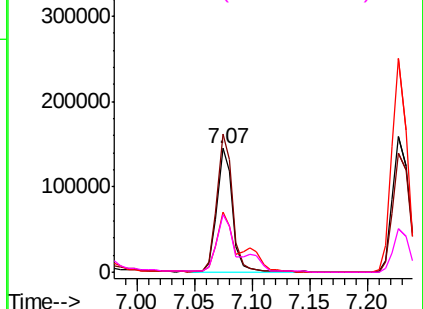
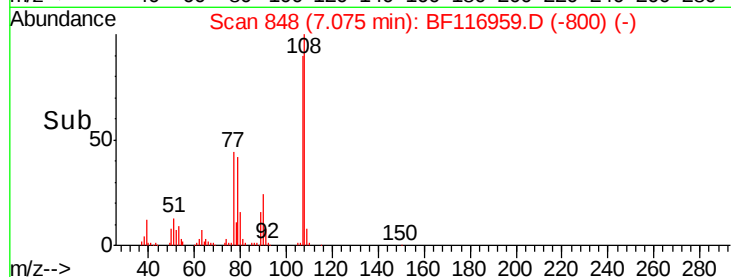
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

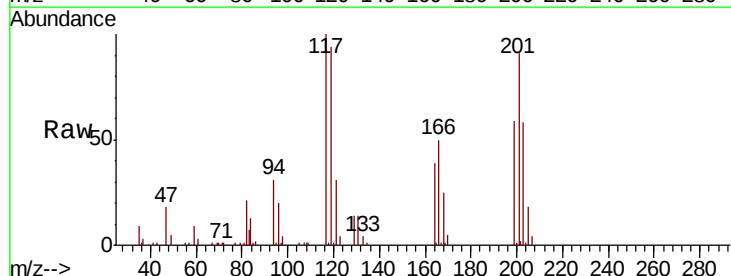
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 34.910 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.1	76.9	115.3	
201	90.6	79.4	119.0	

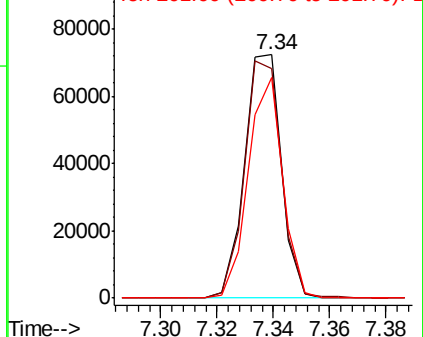
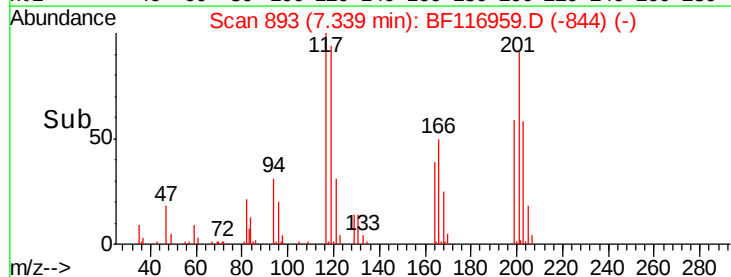


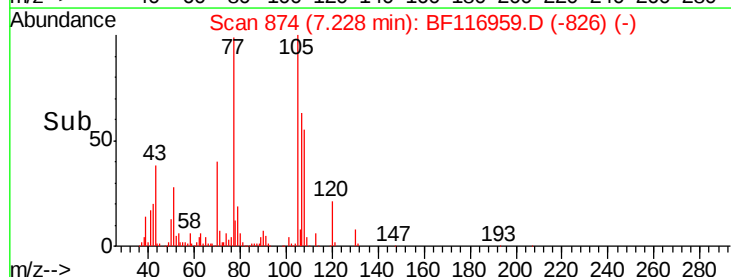
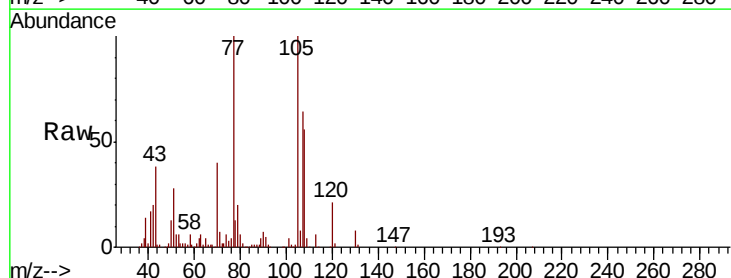
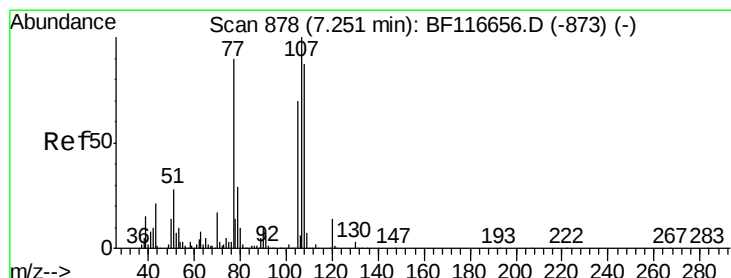
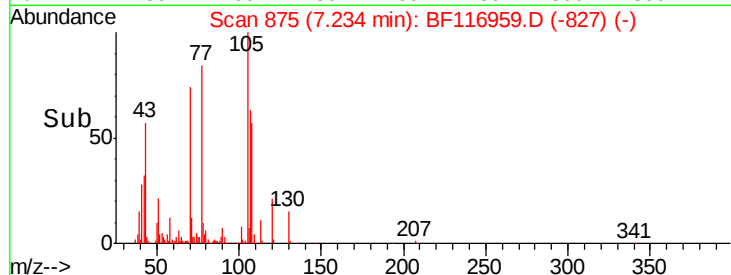
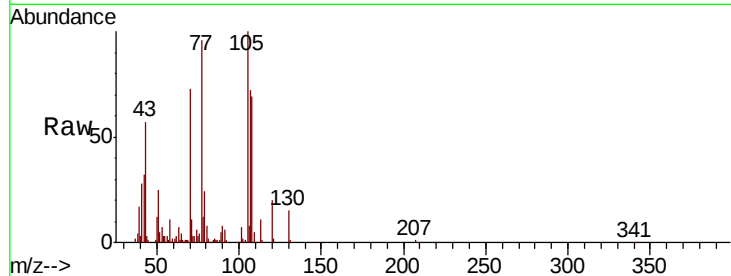
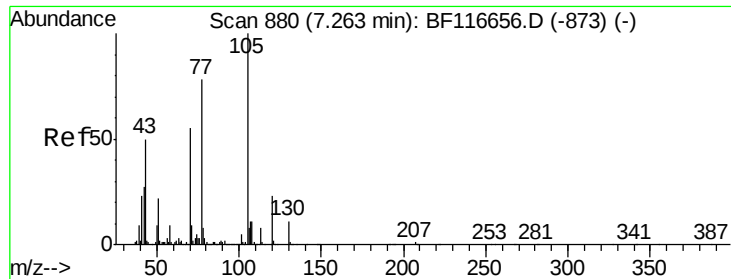
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





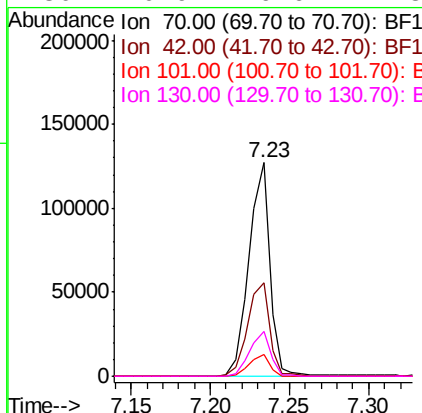
#19
n-Nitroso-di-n-propylamine
Concen: 34.353 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	43.7	43.5	65.3
101	10.2	7.8	11.6
130	20.9	16.6	24.8

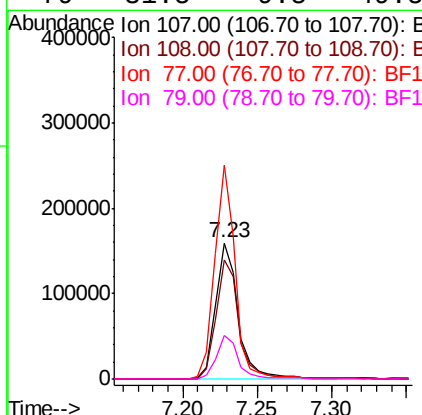
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#20
3+4-Methylphenols
Concen: 38.427 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	65.5	105.5
77	156.7	69.4	109.4#
79	31.5	9.5	49.5





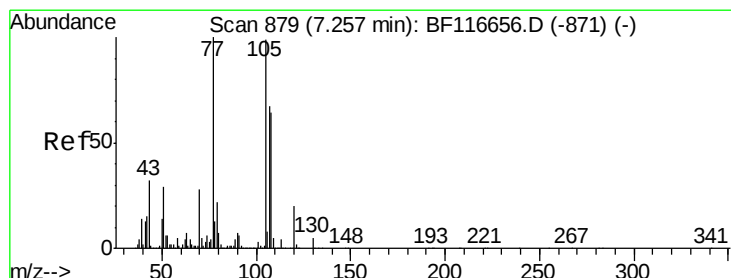
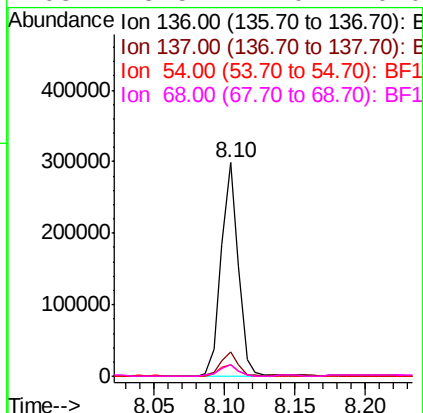
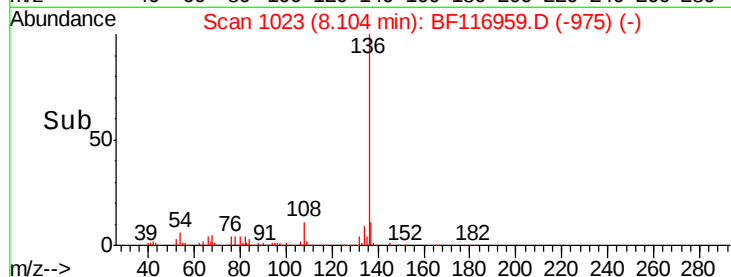
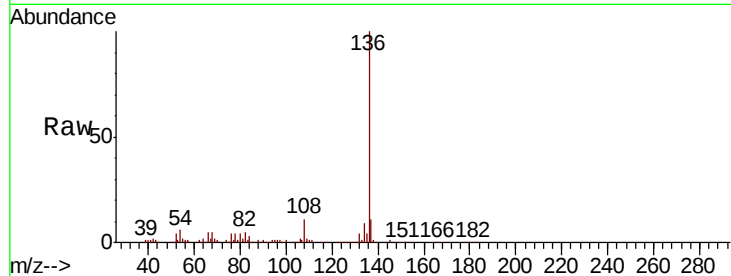
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		253946		
137	11.3		8.9	13.3	
54	5.6		4.8	7.2	
68	5.5		4.0	6.0	

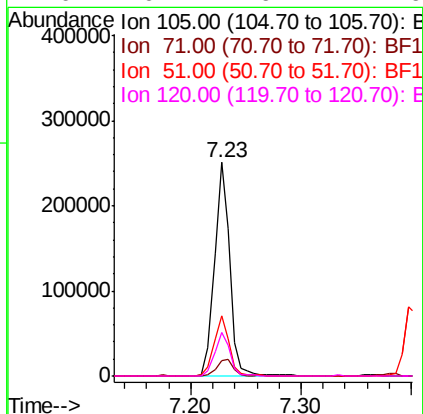
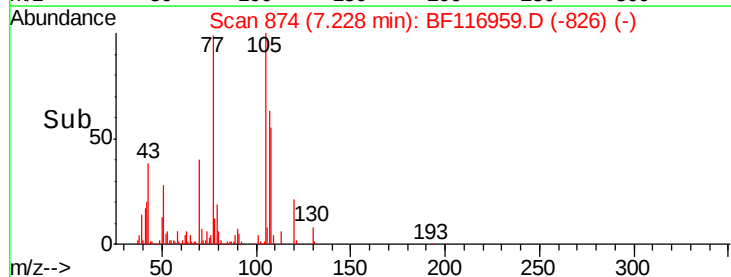
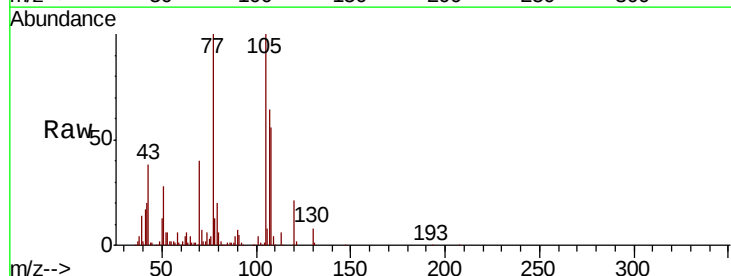
Manual Integrations
APPROVED

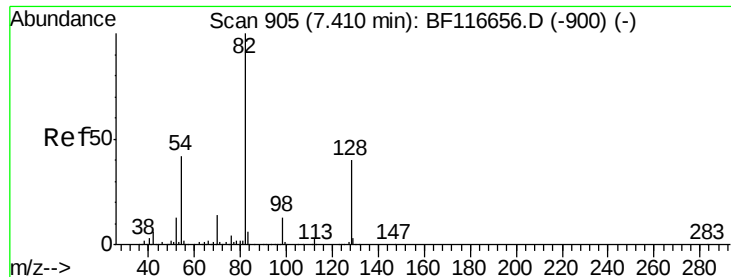
mohammad
9/16/2019 8:57:57 AM



#22
Acetophenone
Concen: 38.895 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		237797		
71	7.0		4.2	6.4#	
51	28.4		25.8	38.8	
120	20.7		16.4	24.6	





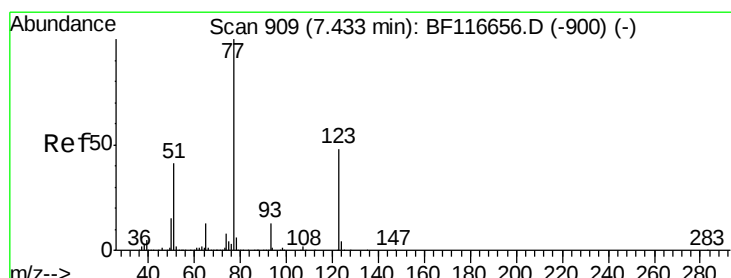
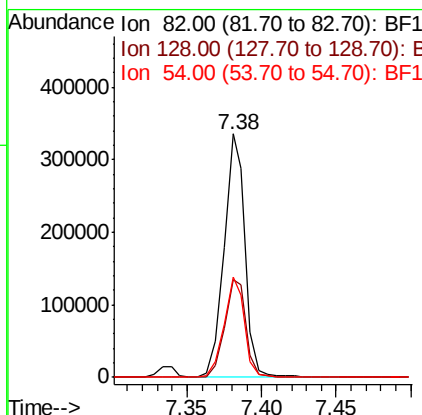
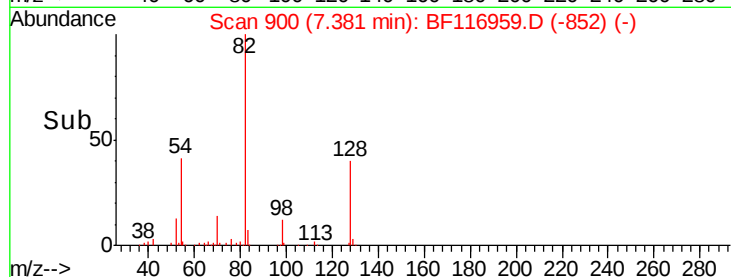
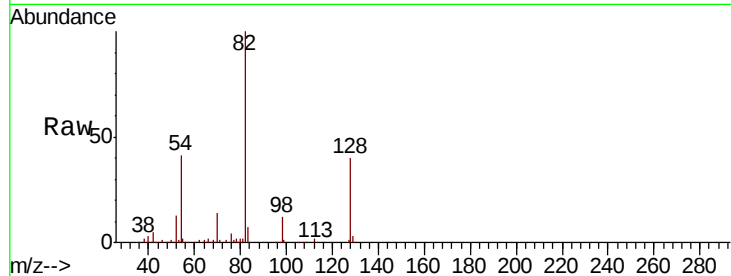
#23
 Nitrobenzene-d5
 Concen: 74.937 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	333350		
128	40.0		32.8	49.2
54	41.3		36.9	55.3

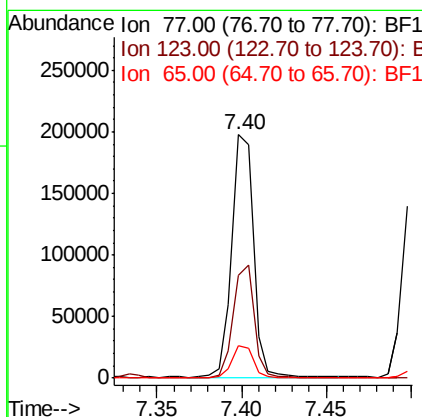
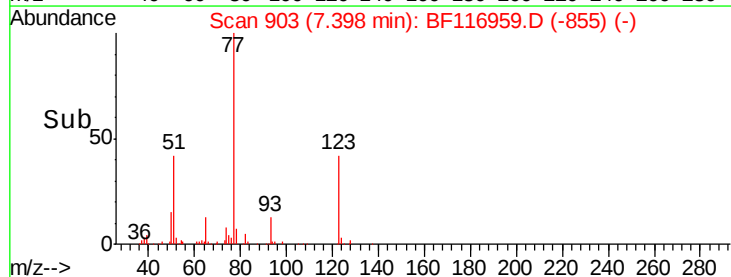
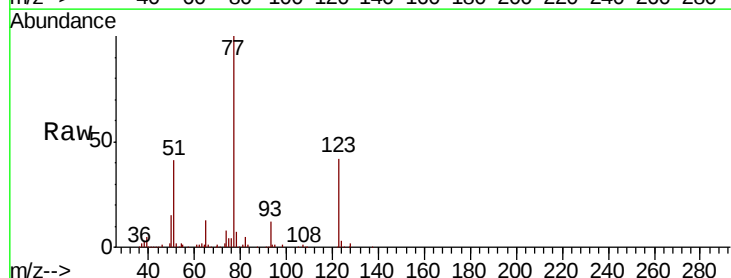
Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM



#24
 Nitrobenzene
 Concen: 38.808 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	175576		
123	42.1		33.1	49.7
65	13.3		10.6	15.8





#25

Isophorone

Concen: 36.097 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

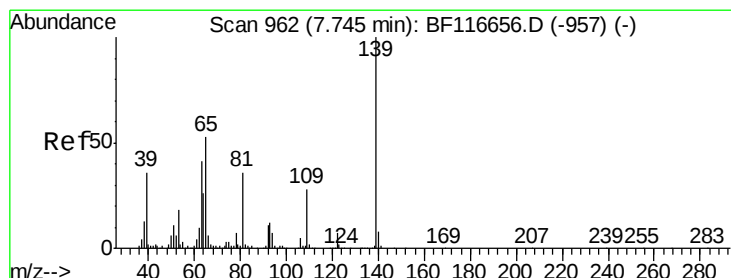
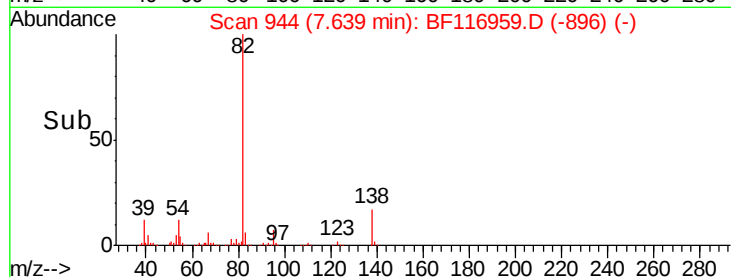
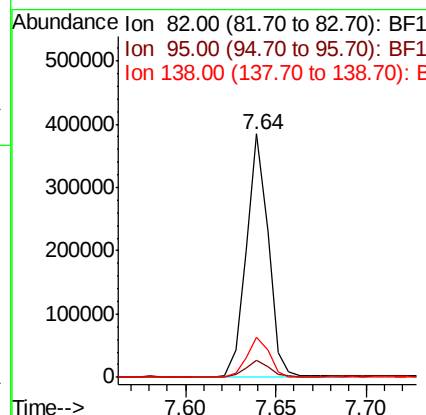
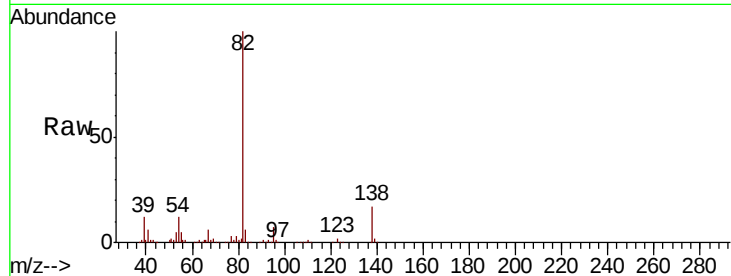
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	82	Resp:	325377
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.8	8.6
138	16.6	13.5	20.3

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#26

2-Nitrophenol

Concen: 48.914 ng

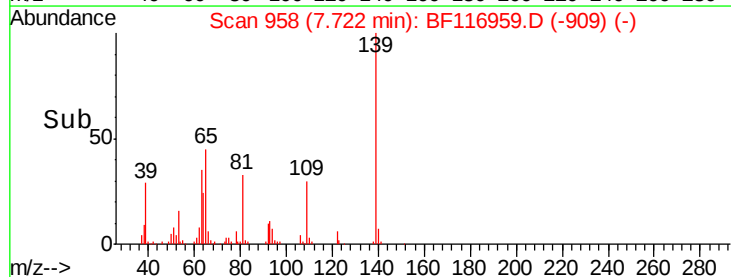
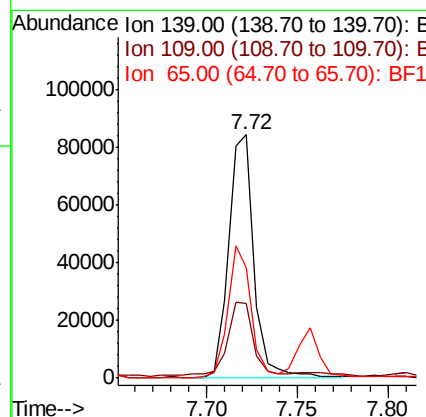
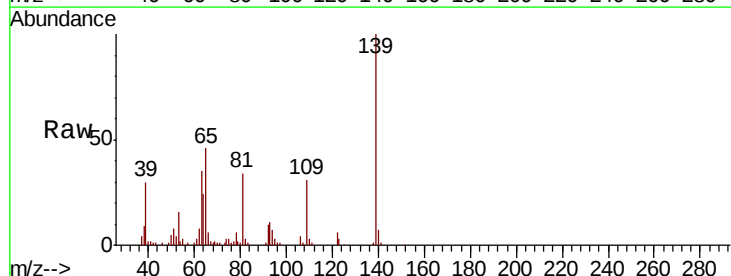
RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	139	Resp:	82274
Ion Ratio	Lower	Upper	
139	100		
109	30.7	27.1	40.7
65	45.6	43.0	64.6





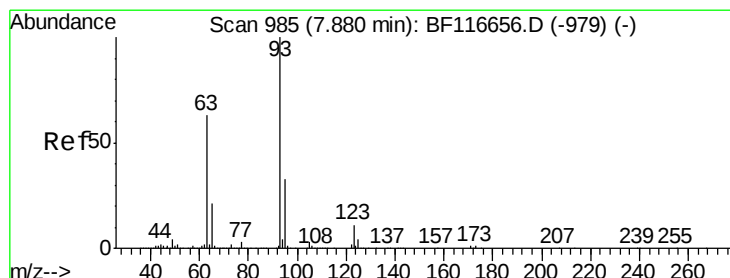
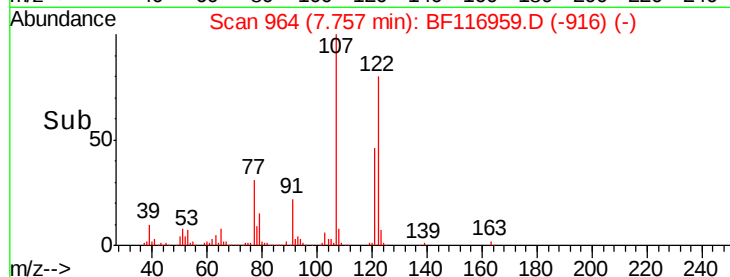
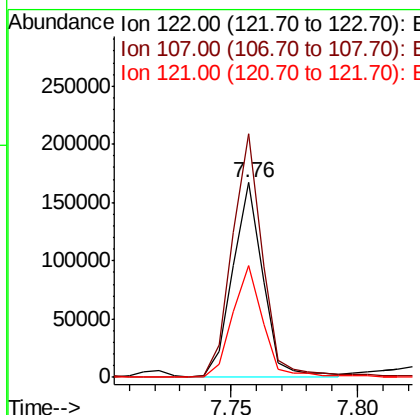
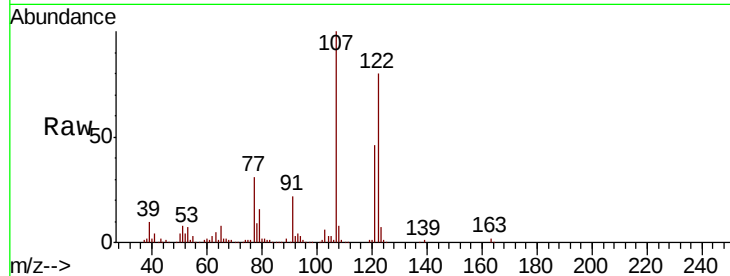
#27
 2,4-Dimethylphenol
 Concen: 40.731 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	125.2	98.1	147.1	
121	57.6	47.3	70.9	

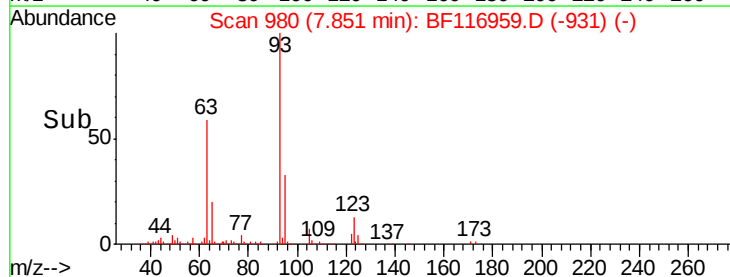
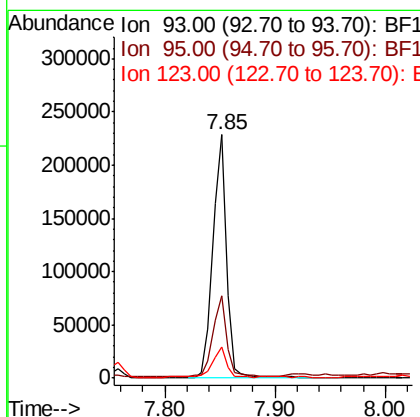
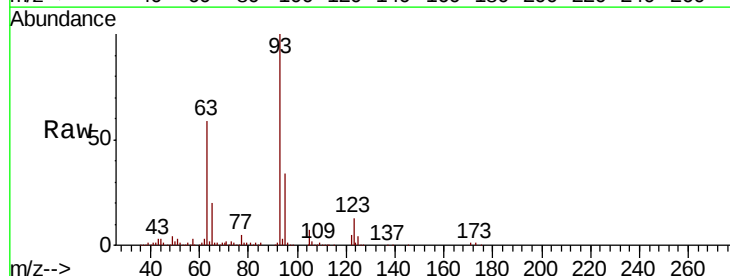
Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 35.498 ng
 RT: 7.85 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.8	26.4	39.6	
123	12.8	9.8	14.8	





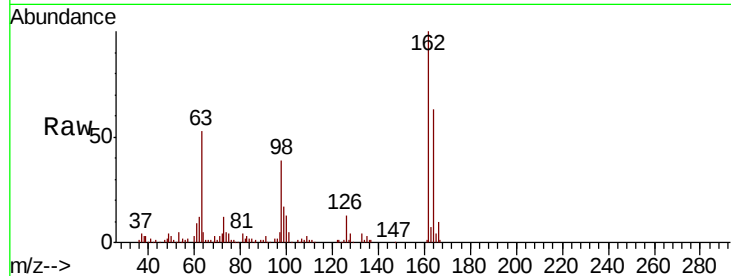
#29
2,4-Dichlorophenol
Concen: 40.736 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

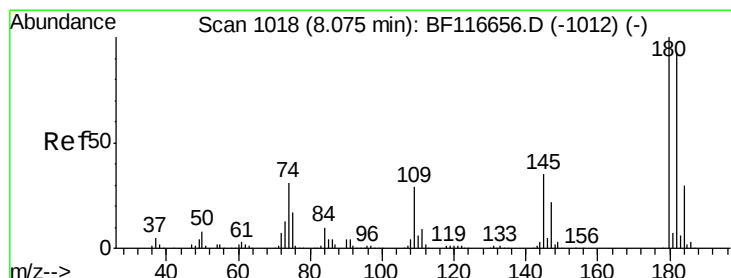
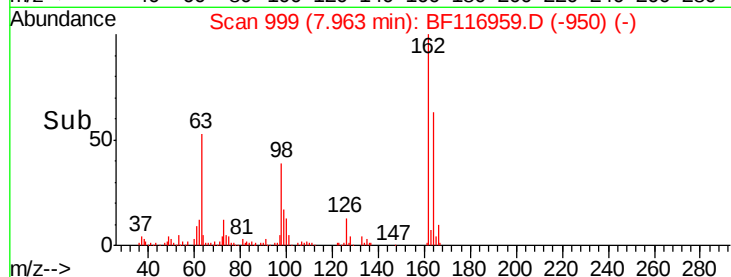
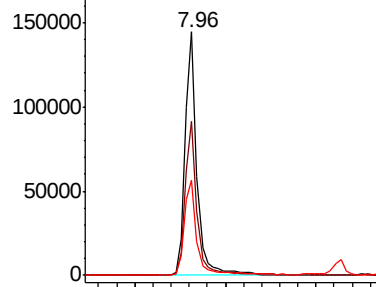
Tot Ion	Ratio	Resp	Lower	Upper
162	100	132985		
164	63.4	43.4	83.4	
98	39.1	18.1	58.1	

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

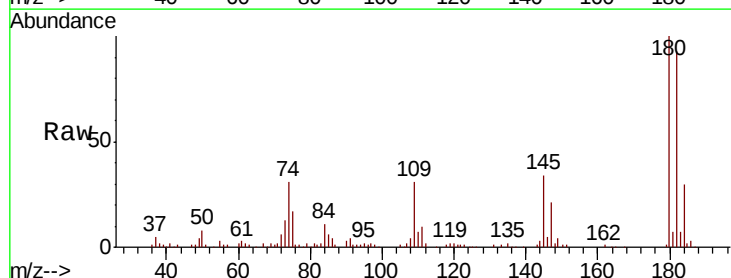


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

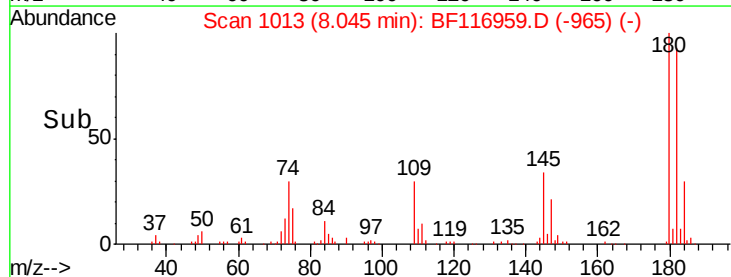
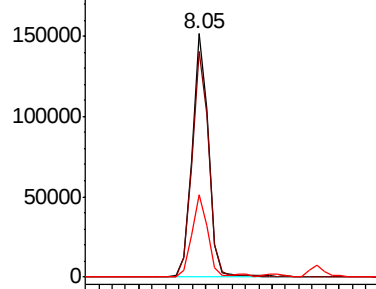


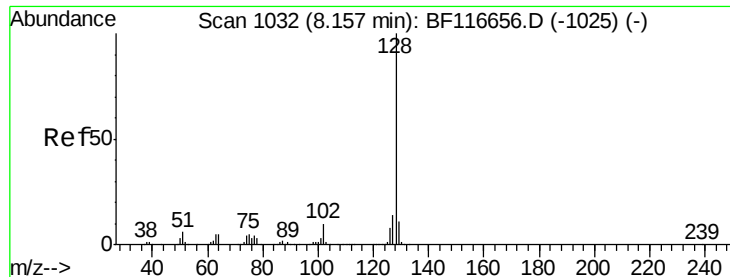
#30
1,2,4-Trichlorobenzene
Concen: 37.072 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	131269		
182	92.6	78.6	118.0	
145	34.1	25.7	38.5	



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





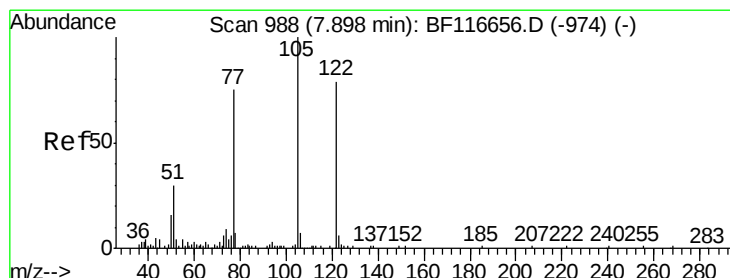
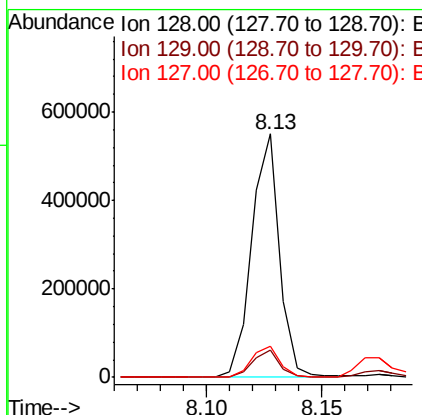
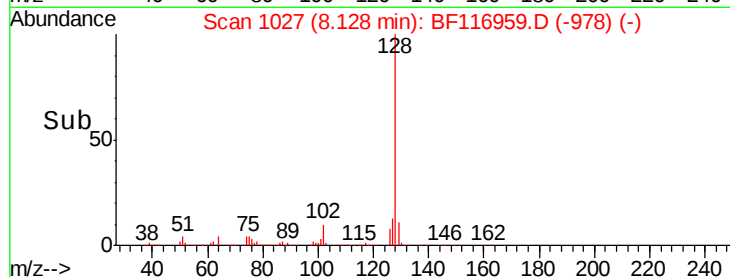
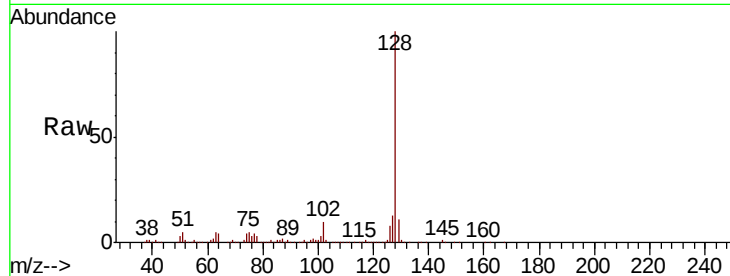
#31
Naphthalene
Concen: 38.369 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	463315		
129	11.0		8.6	13.0
127	13.0		10.4	15.6

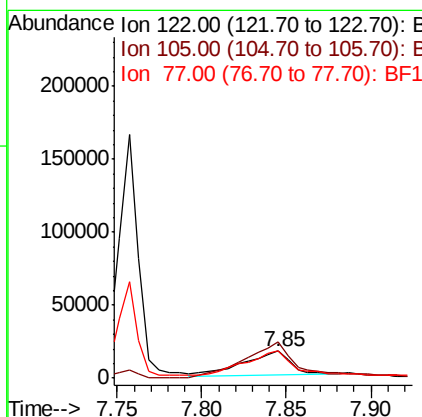
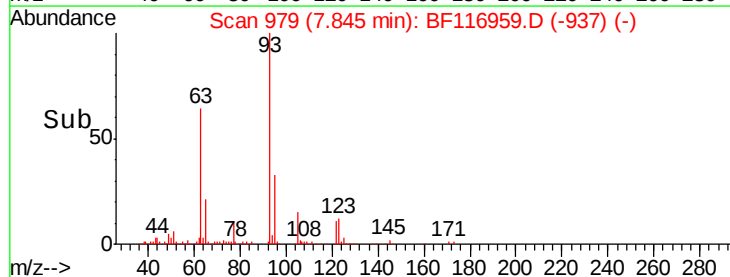
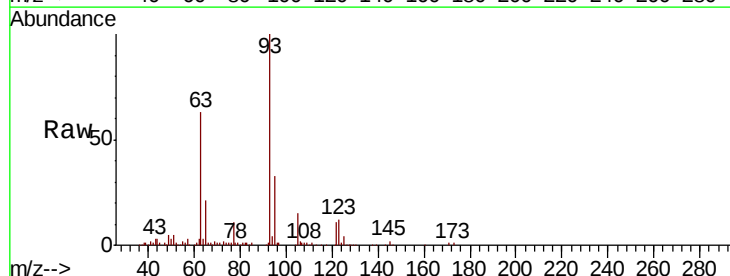
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#32
Benzoic acid
Concen: 16.709 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.05 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	32049		
105	136.8		110.0	150.0
77	100.5		81.7	121.7





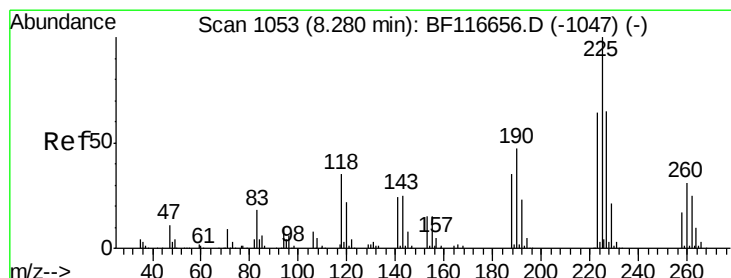
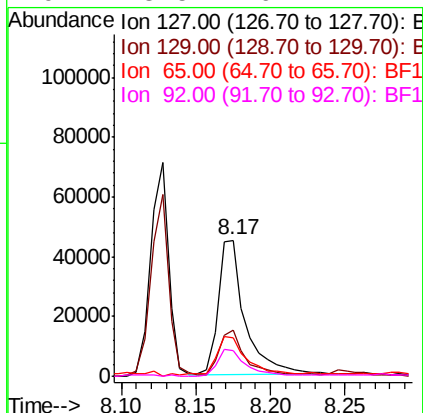
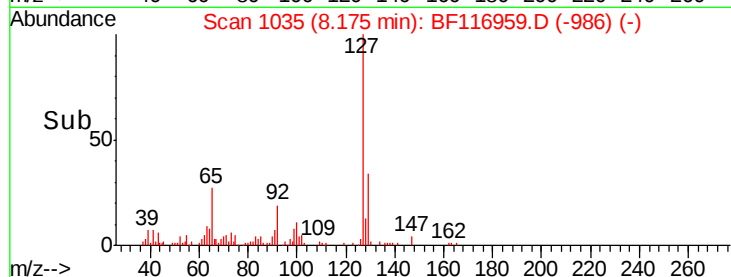
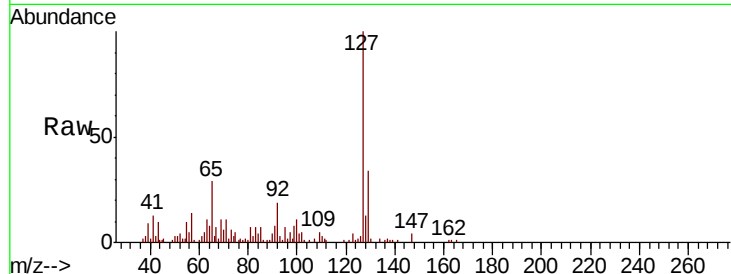
#33
4-Chloroaniline
Concen: 10.385 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		57083		
129	33.5	26.2	39.2		
65	28.6	26.0	39.0		
92	18.5	16.1	24.1		

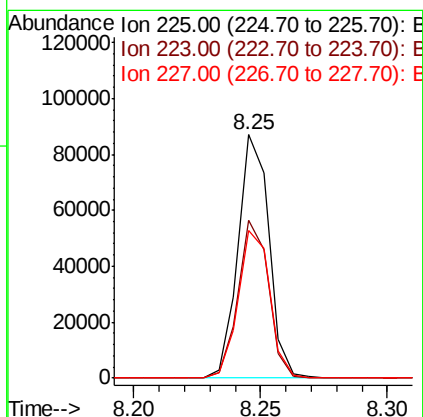
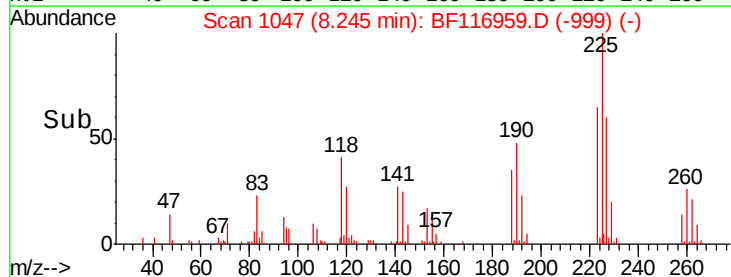
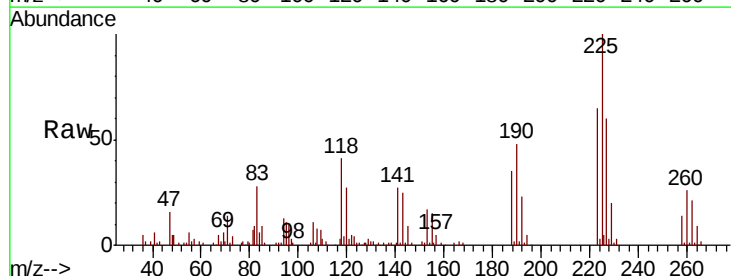
Manual Integrations
APPROVED

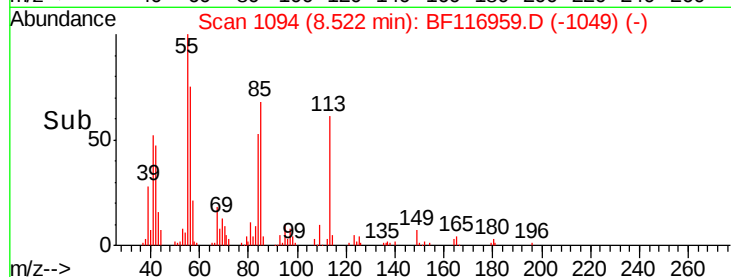
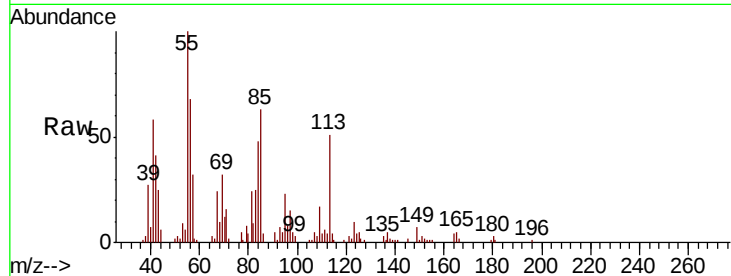
mohammad
9/16/2019 8:57:57 AM



#34
Hexachlorobutadiene
Concen: 38.029 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		73422		
223	65.1	49.4	74.2		
227	60.4	51.0	76.4		





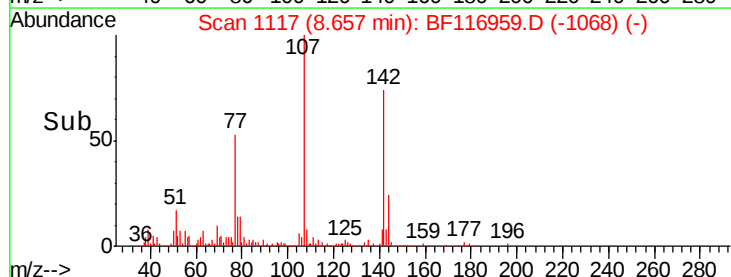
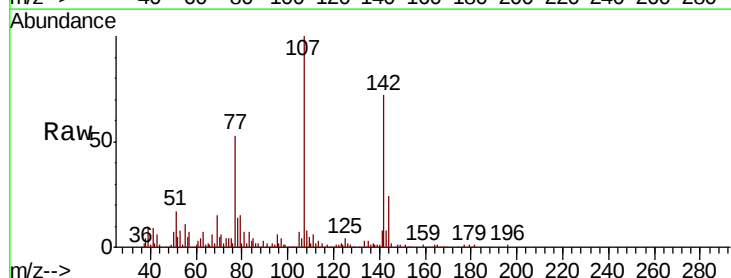
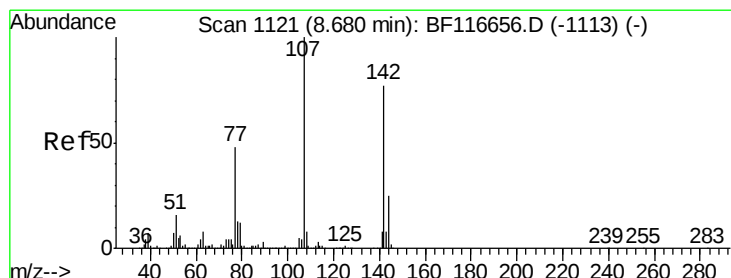
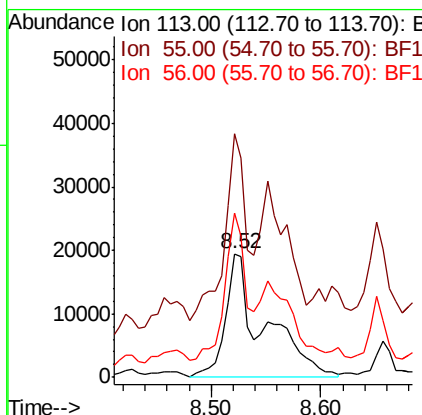
#35
Caprolactam
Concen: 38.724 ng/ml
RT: 8.52 min Scan# 1094
Delta R.T. -0.04 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tot Ion	Ratio	Lower	Upper
113	100		
55	196.9	124.3	164.3#
56	133.2	94.6	134.6

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

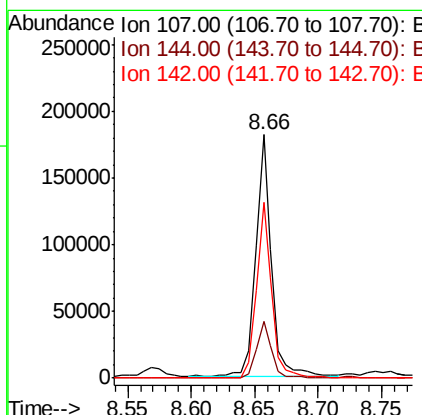
Manual Integrations
APPROVED

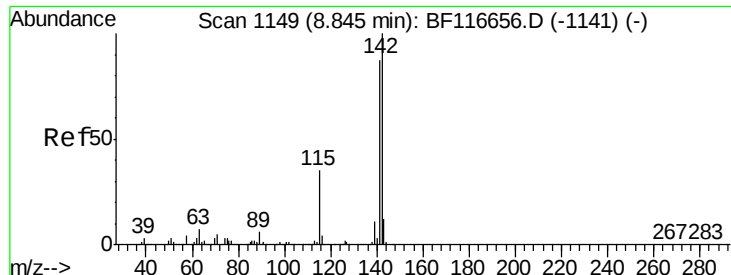
mohammad
9/16/2019 8:57:57 AM



#36
4-Chloro-3-methylphenol
Concen: 42.289 ng/ml
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.5	18.6	27.8
142	72.4	58.5	87.7





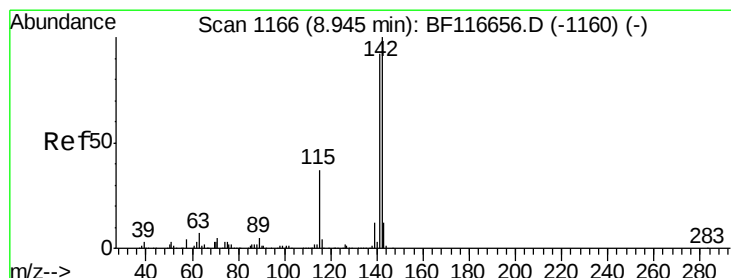
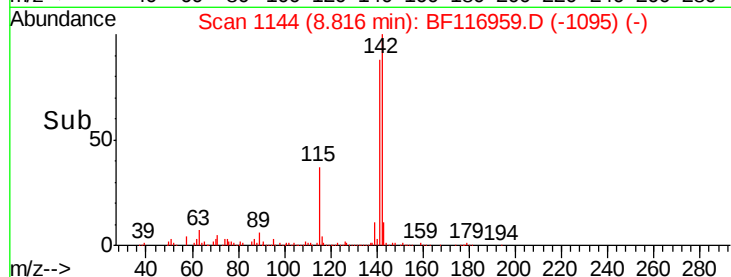
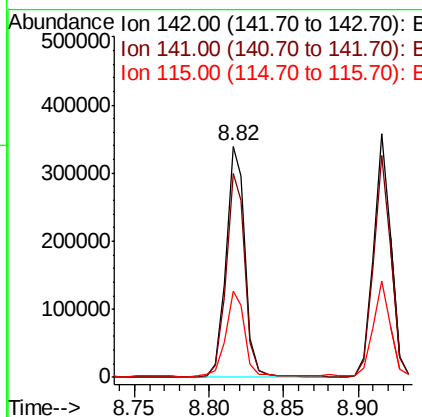
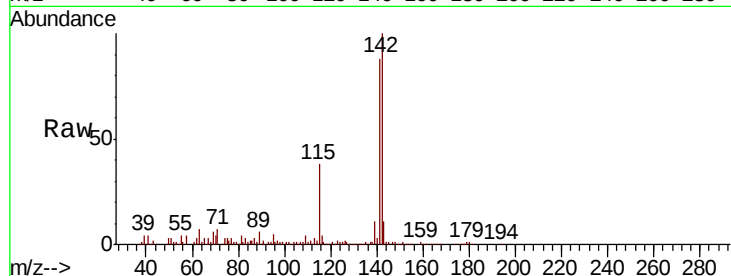
#37
2-Methylnaphthalene
Concen: 38.607 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.6	109.0
115	37.5	29.8	44.6

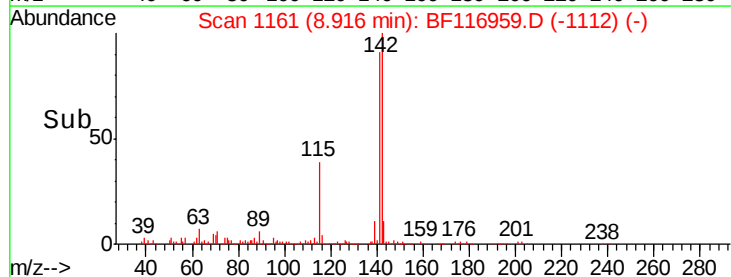
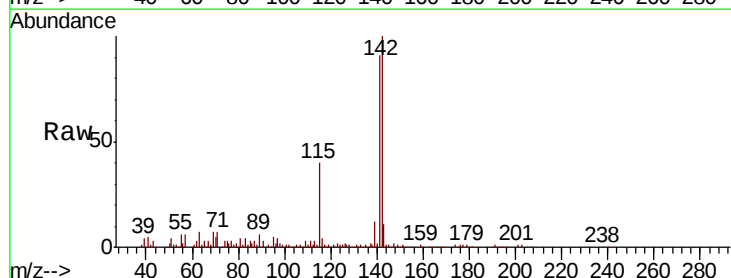
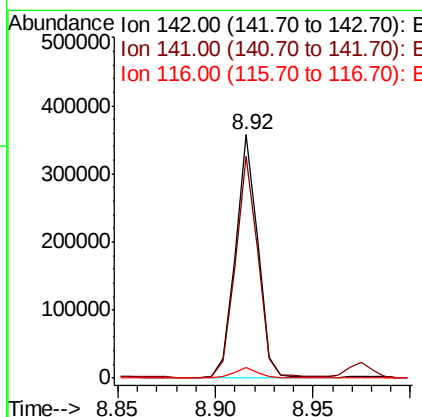
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#38
1-Methylnaphthalene
Concen: 37.321 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.9	110.9
116	4.4	3.0	4.6





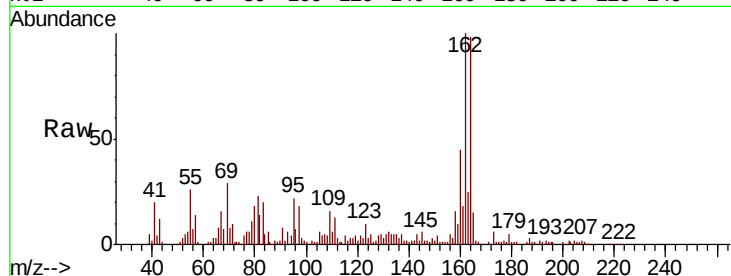
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	81.4	122.0	
160	45.5	35.4	53.2	

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

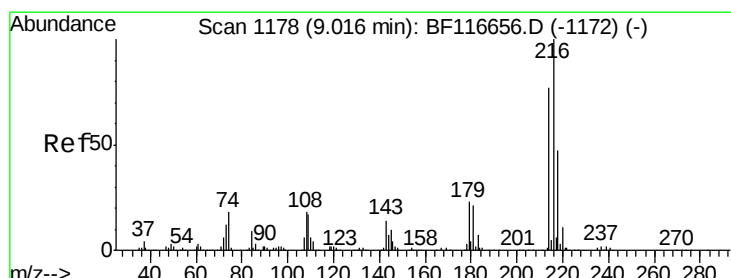
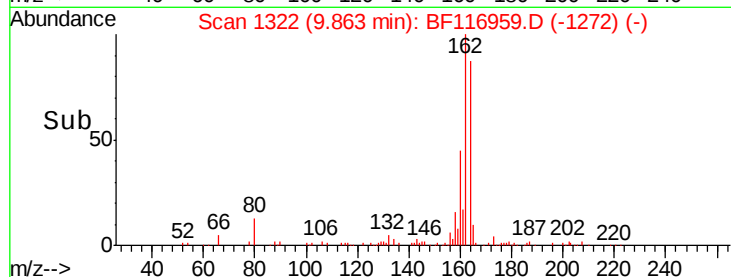
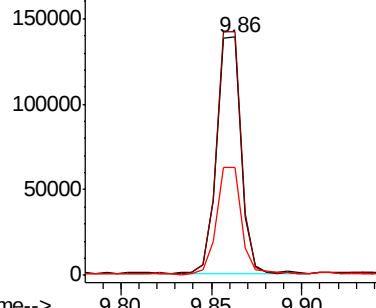


Abundance

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: 38.343 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.4	62.7	94.1	
179	26.1	19.3	28.9	
108	24.7	16.6	25.0	

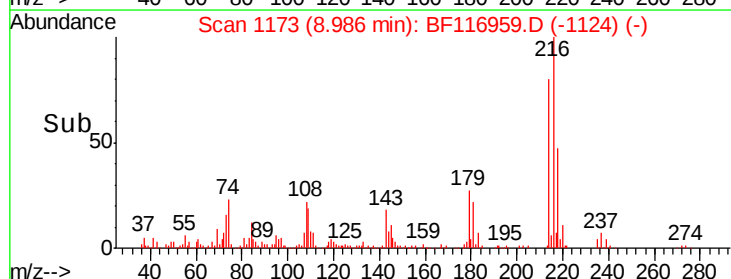
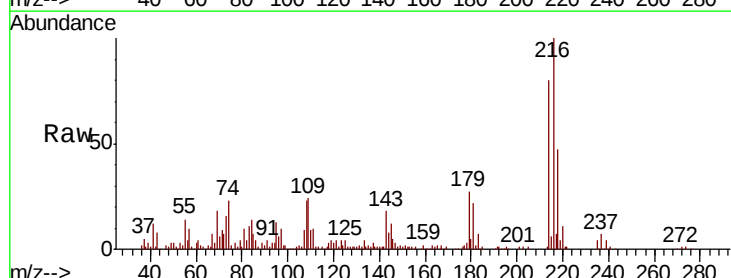
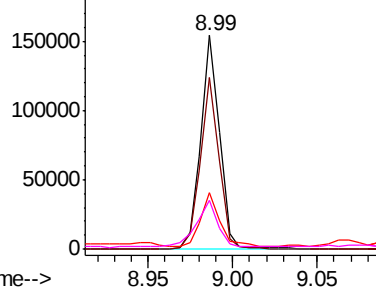
Abundance

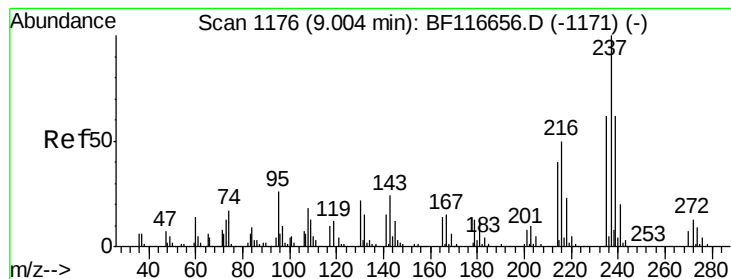
Ion 216.00 (215.70 to 216.70): E

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





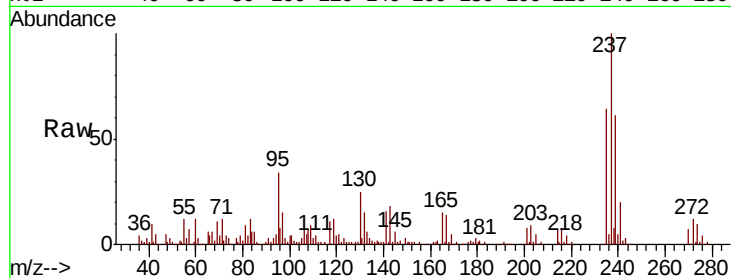
#41
Hexachlorocyclopentadiene
Concen: 66.310 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

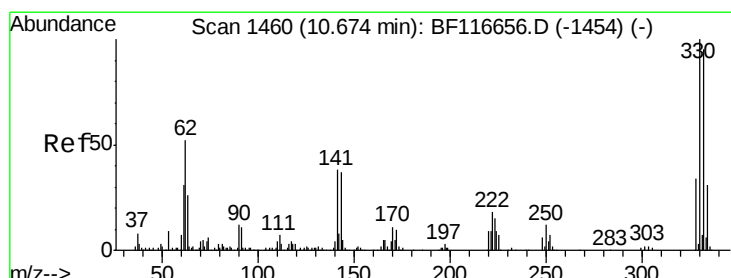
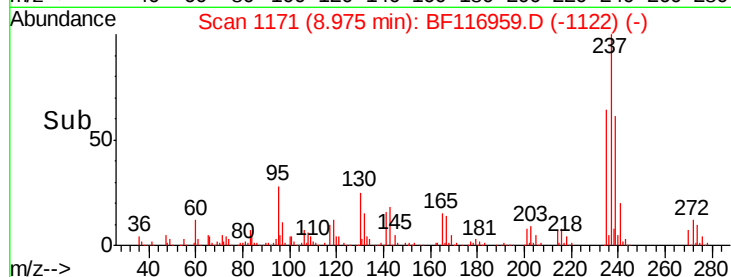
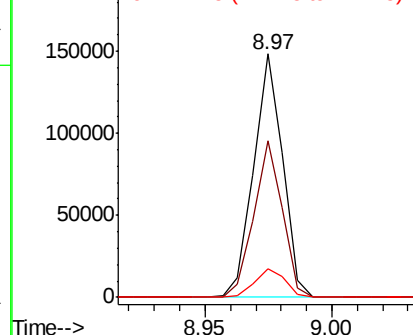
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.5	41.4	81.4
272	11.9	0.0	32.8

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

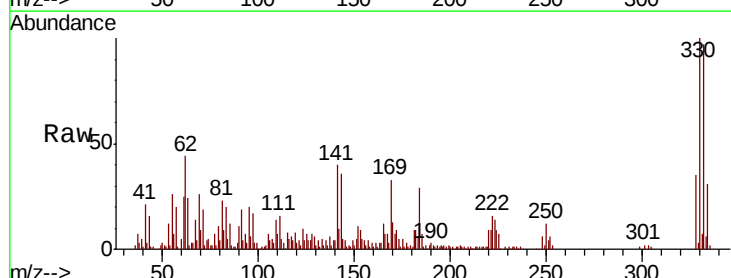


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

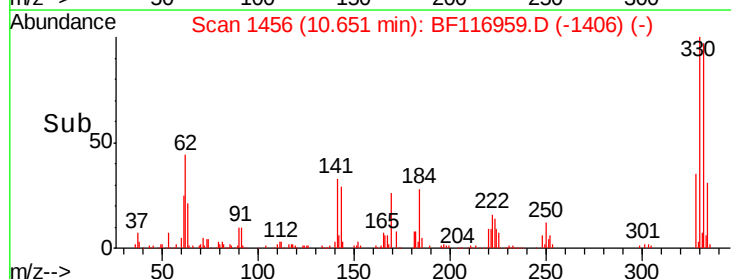
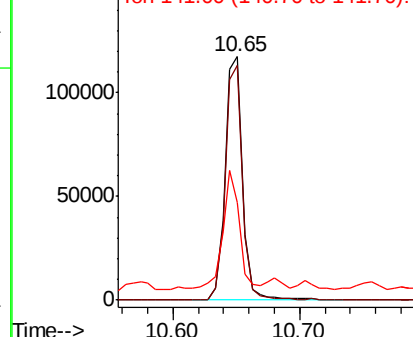


#42
2,4,6-Tribromophenol
Concen: 131.168 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.2	76.9	115.3
141	45.6	31.4	47.2



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





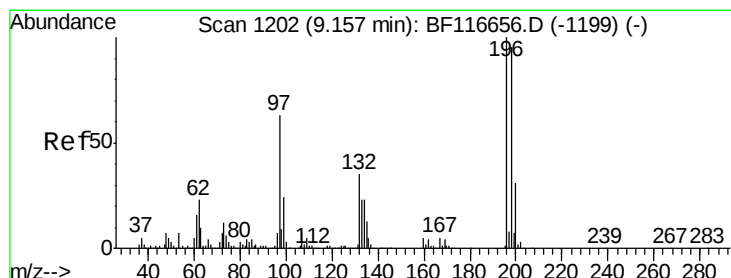
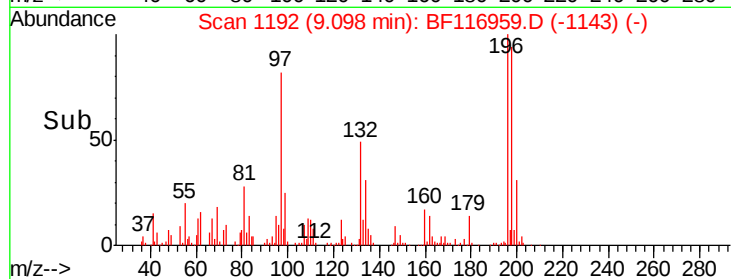
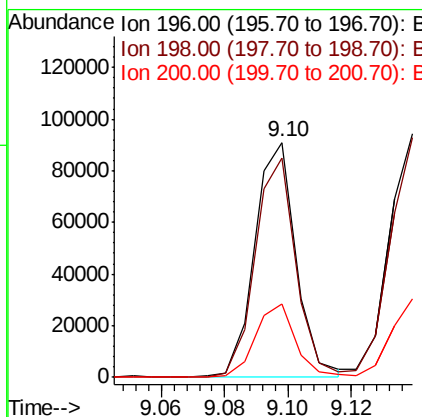
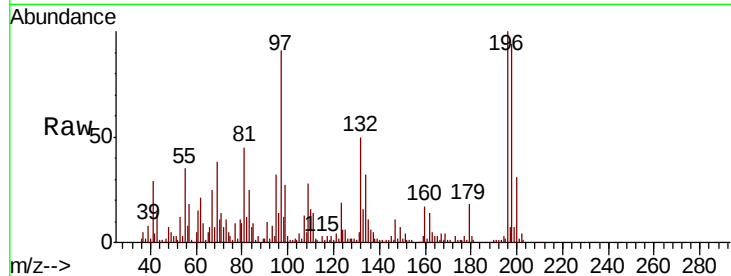
#43
 2,4,6-Trichlorophenol
 Concen: 38.886 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion:	196	Resp:	82285
Ion Ratio	Lower	Upper	
196	100		
198	93.5	79.1	118.7
200	31.2	24.0	36.0

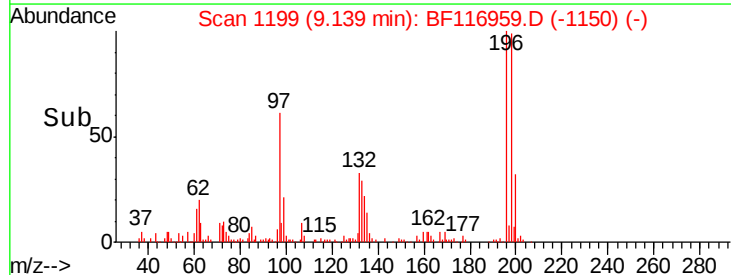
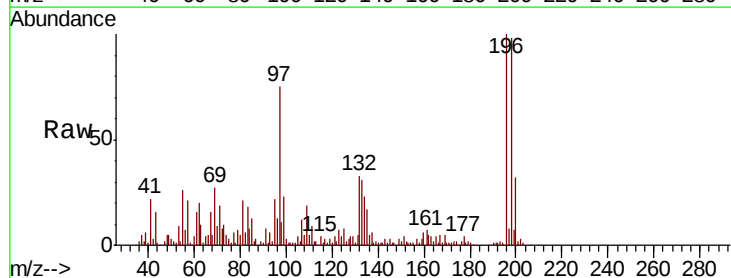
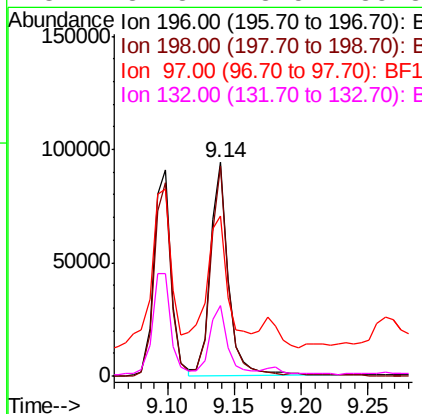
Manual Integrations
 APPROVED

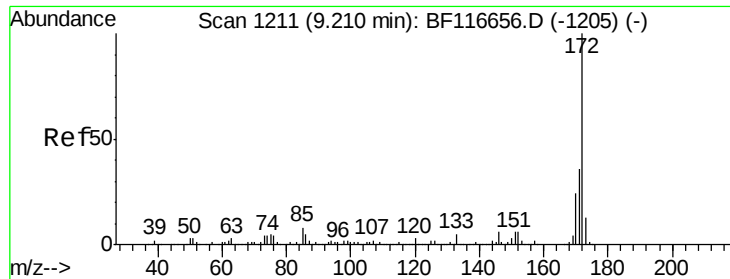
mohammad
 9/16/2019 8:57:57 AM



#44
 2,4,5-Trichlorophenol
 Concen: 40.801 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion:	196	Resp:	89634
Ion Ratio	Lower	Upper	
196	100		
198	98.5	78.1	117.1
97	74.8	41.6	62.4#
132	32.8	23.5	35.3





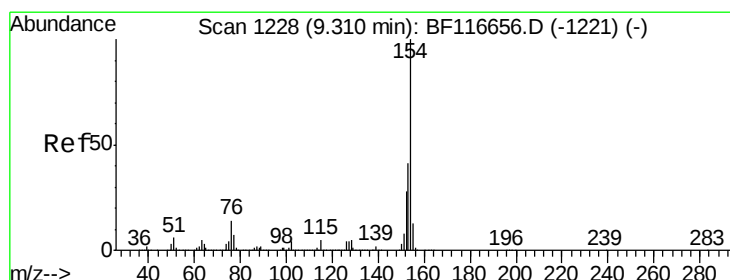
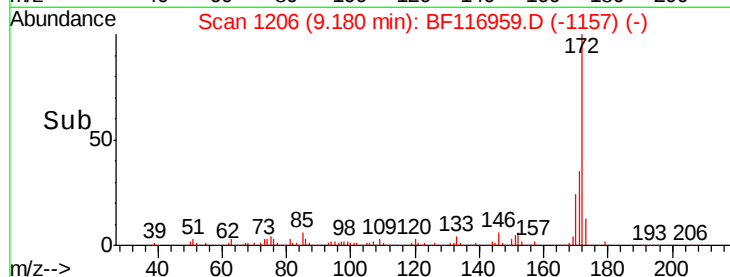
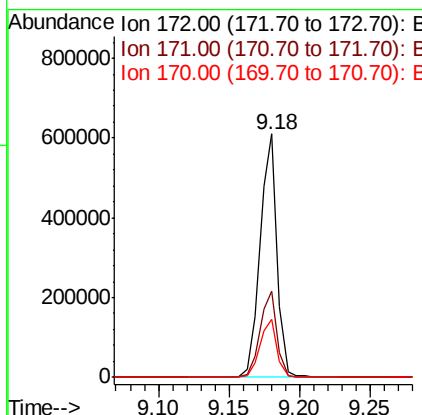
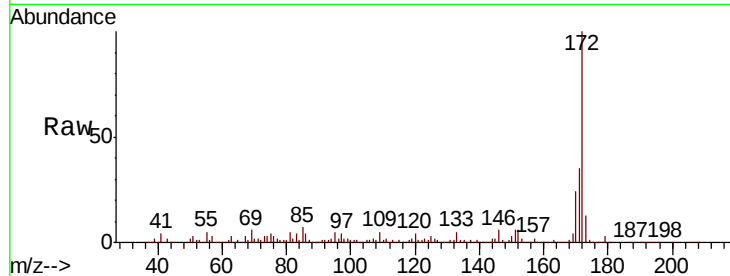
#45
2-Fluorobiphenyl
Concen: 67.966 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	27.8	41.6	
170	23.9	18.9	28.3	

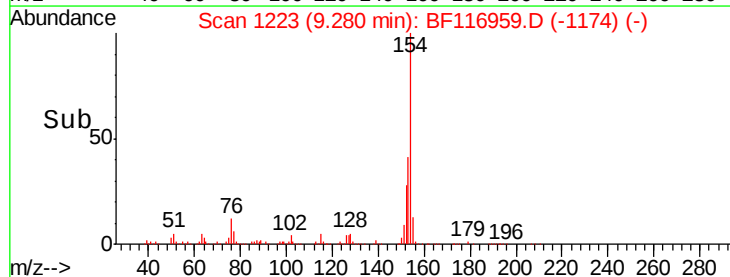
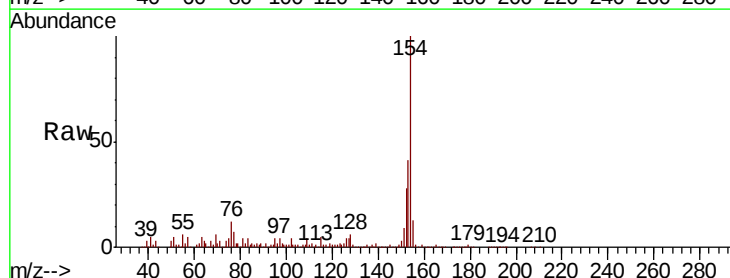
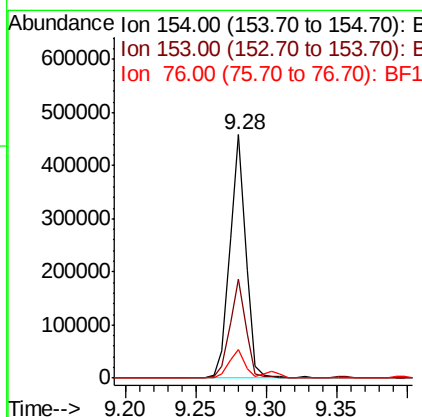
Manual Integrations
APPROVED

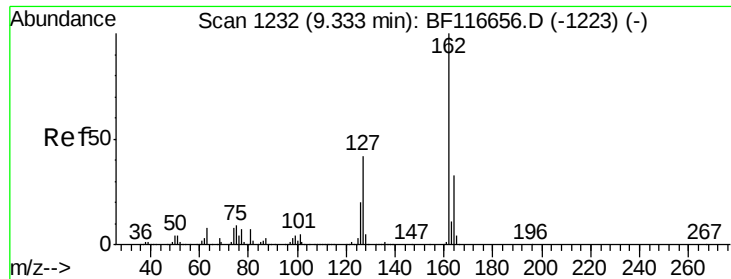
mohammad
9/16/2019 8:57:57 AM



#46
1,1'-Biphenyl
Concen: 36.846 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.7	21.2	61.2	
76	11.6	0.0	30.9	





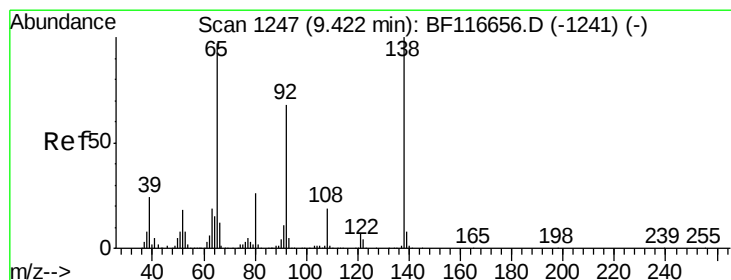
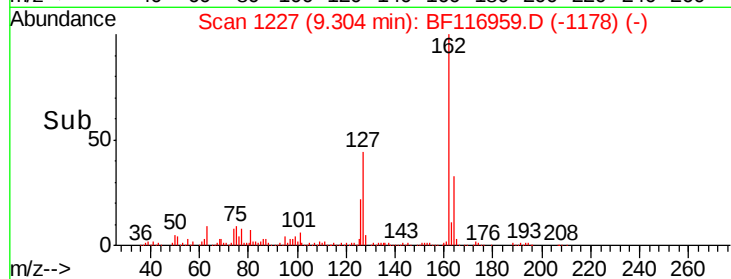
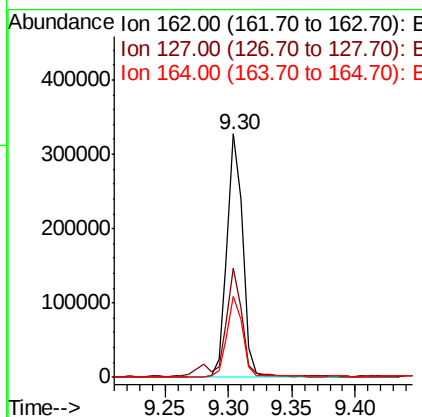
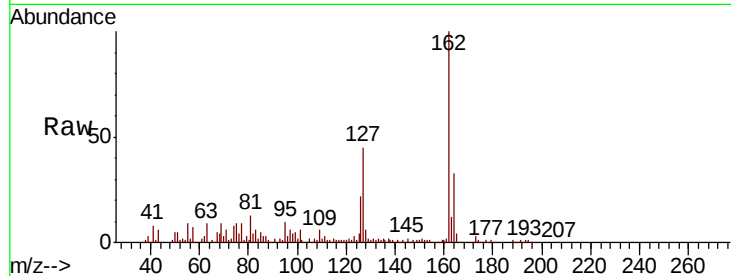
#47
2-Chloronaphthalene
Concen: 36.331 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	281180		
127	44.7	33.4	50.2	
164	33.2	26.6	39.8	

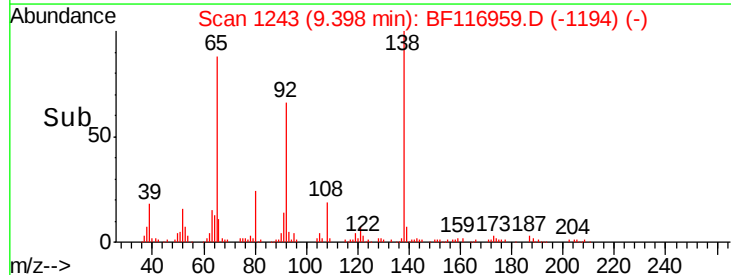
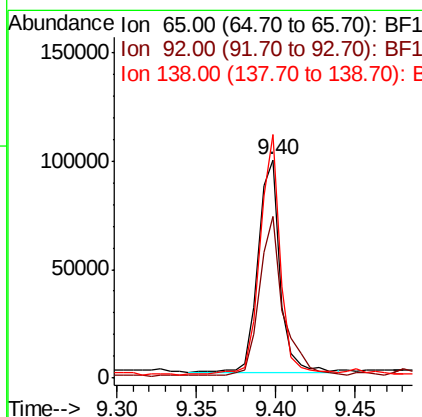
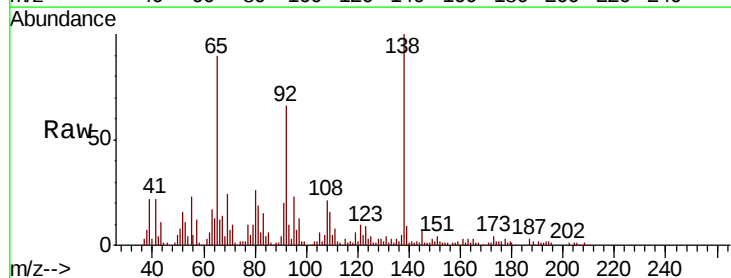
Manual Integrations
APPROVED

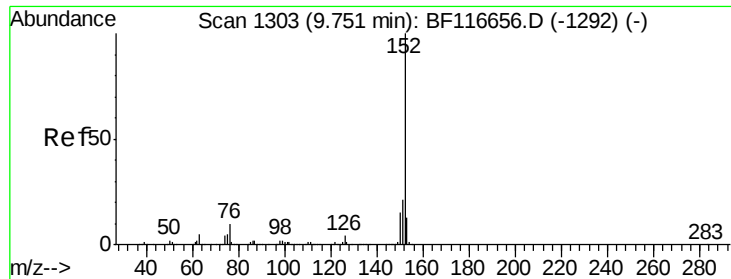
mohammad
9/16/2019 8:57:57 AM



#48
2-Nitroaniline
Concen: 42.320 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	94688		
92	74.1	57.1	85.7	
138	111.7	88.2	132.2	





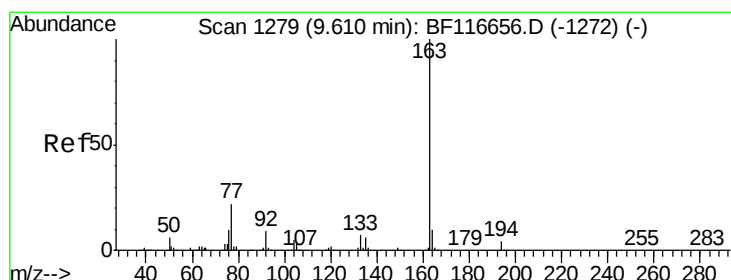
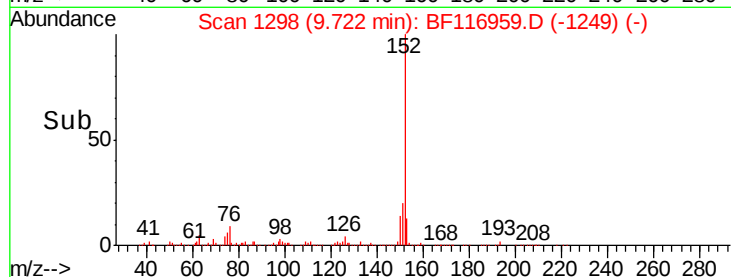
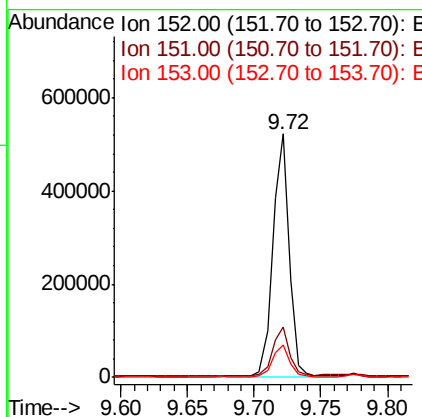
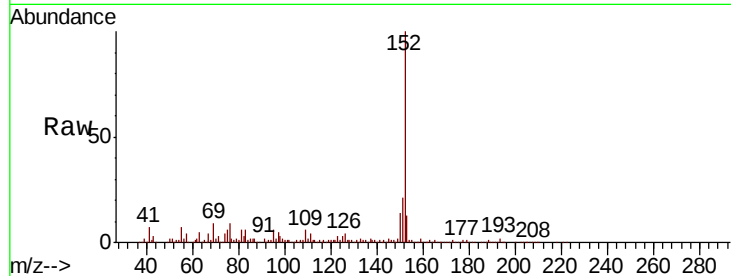
#49
Acenaphthylene
Concen: 38.087 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		445583		
151	20.9		15.9	23.9	
153	13.1		10.9	16.3	

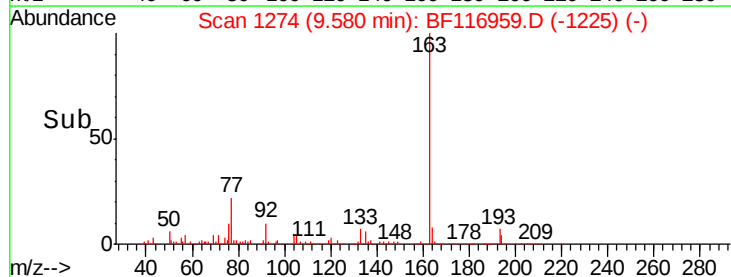
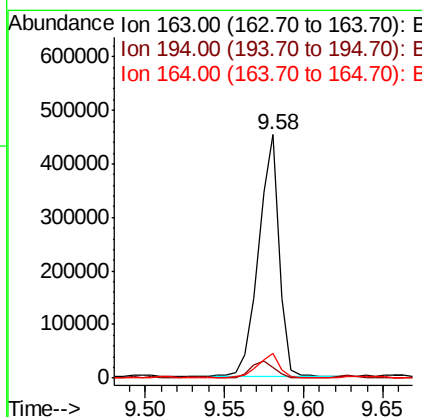
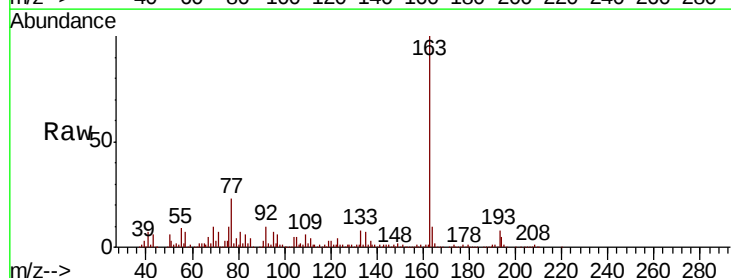
Manual Integrations
APPROVED

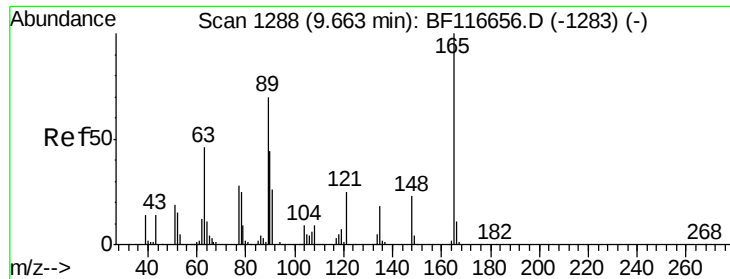
mohammad
9/16/2019 8:57:57 AM



#50
Dimethylphthalate
Concen: 46.588 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		414185		
194	4.6		2.8	4.2#	
164	10.0		8.6	12.8	





#51

2,6-Dinitrotoluene

Concen: 43.674 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

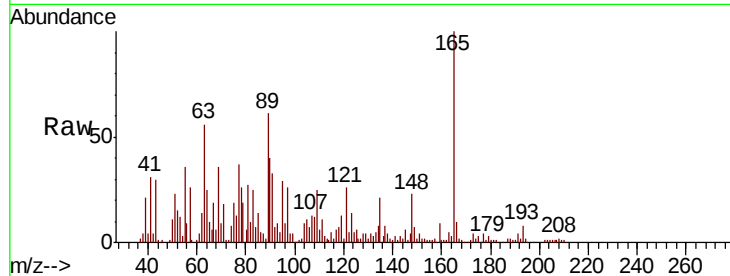
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	165	Resp:	74081
Ion Ratio	Lower	Upper	
165	100		
63	56.2	47.3	70.9
89	60.5	52.5	78.7

Manual Integrations
APPROVED

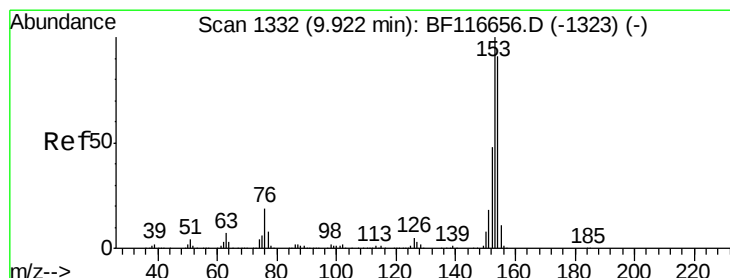
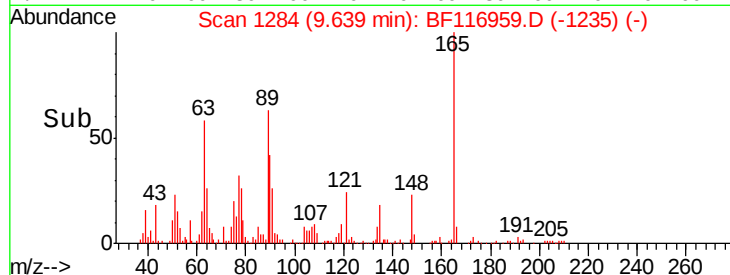
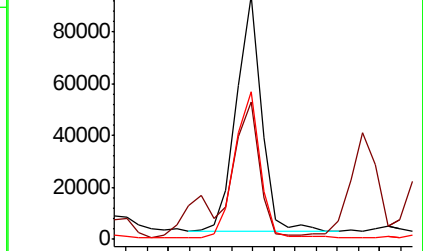
mohammad
9/16/2019 8:57:57 AM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.681 ng

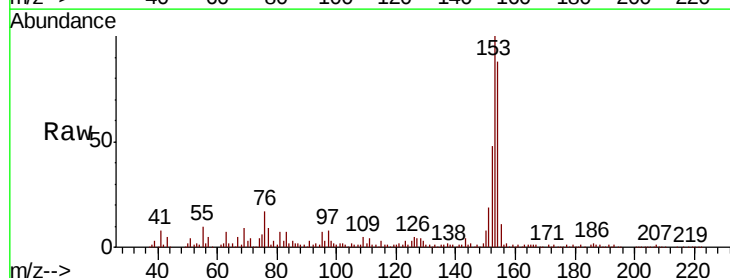
RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

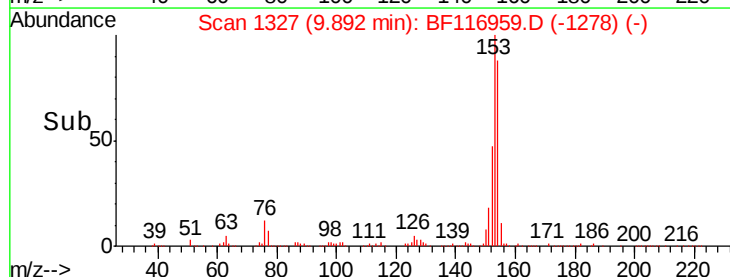
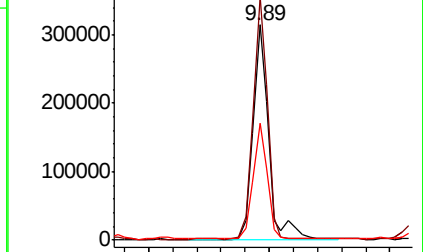
Tgt Ion:	154	Resp:	285234
Ion Ratio	Lower	Upper	
154	100		
153	113.1	89.5	134.3
152	54.1	41.9	62.9

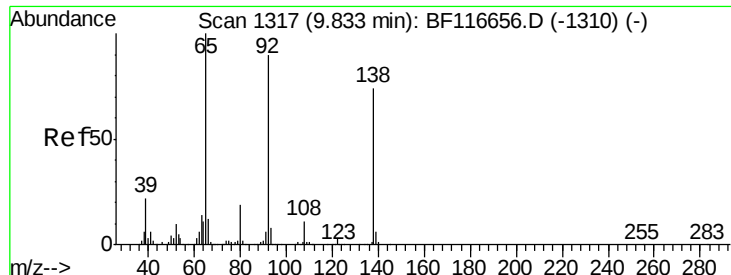


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





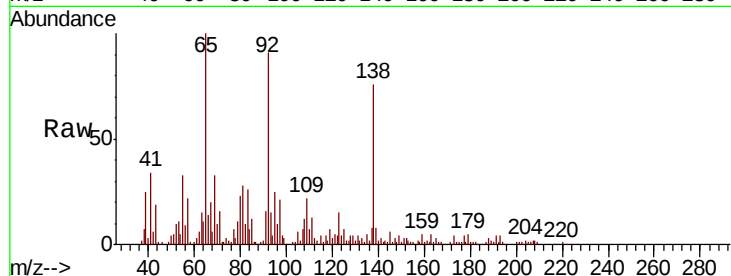
#53
3-Nitroaniline
Concen: 30.696 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	15.8	8.5	12.7#
92	119.9	87.2	130.8

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

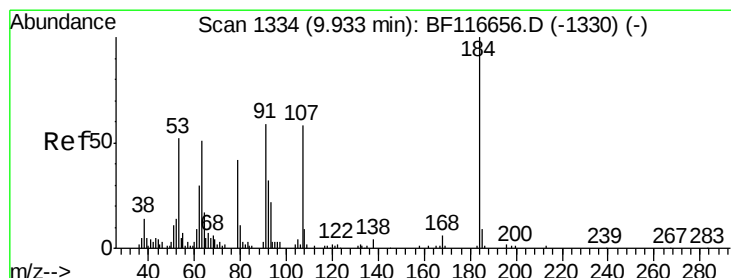
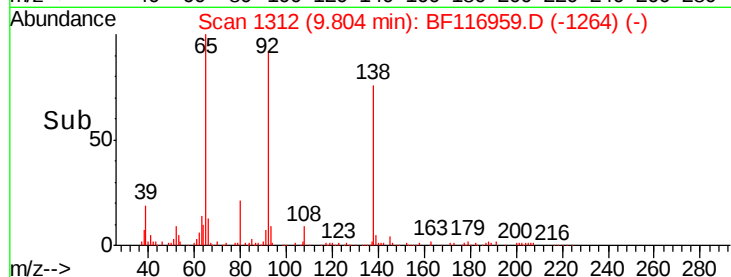
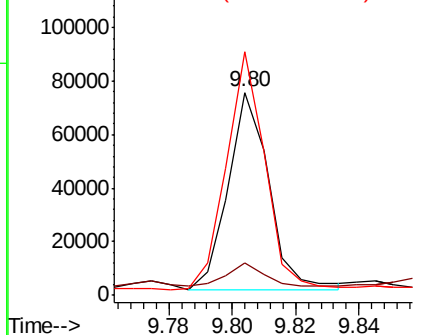


Abundance

Ion 138.00 (137.70 to 138.70): E

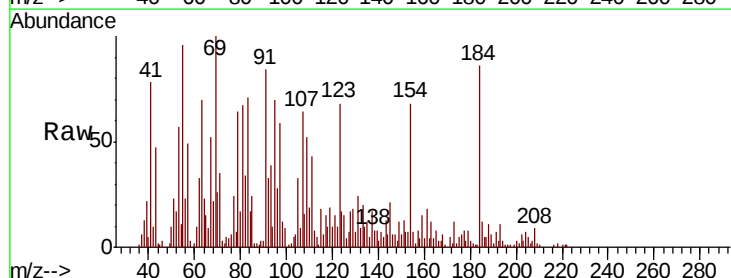
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 58.305 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
184	100		
63	81.3	52.2	78.2#
154	79.2	60.8	91.2

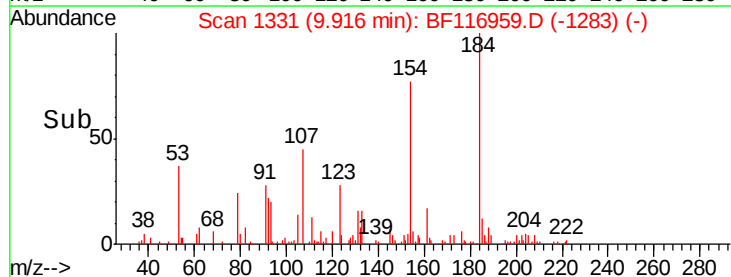
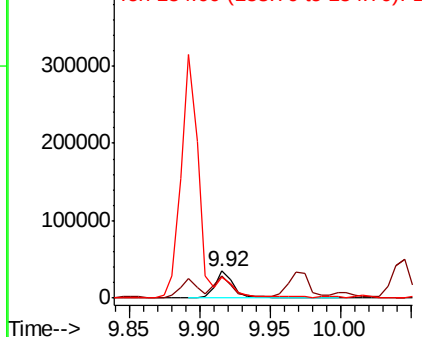


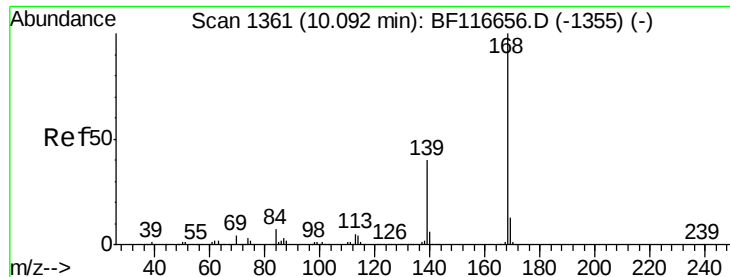
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





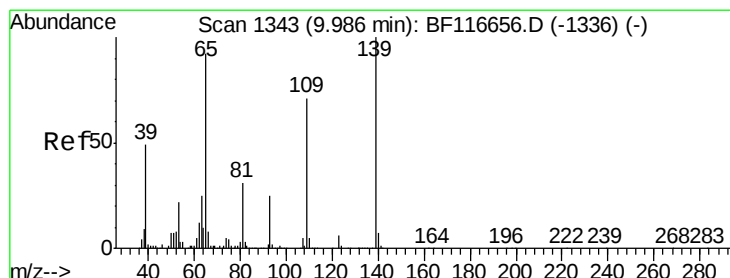
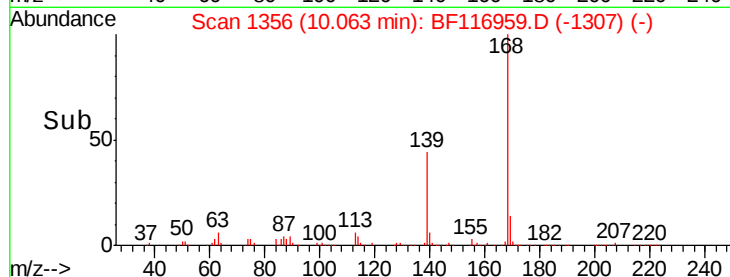
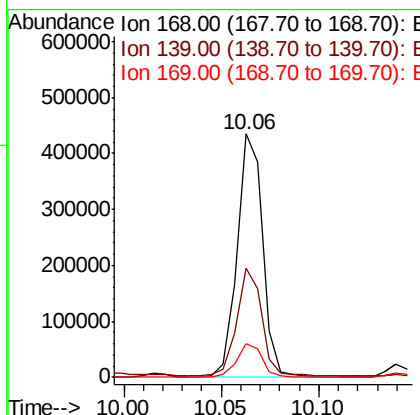
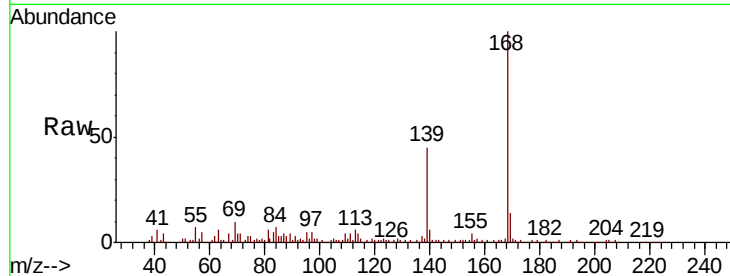
#55
Dibenzofuran
Concen: 38.516 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	45.1	31.5	47.3
169	13.8	10.3	15.5

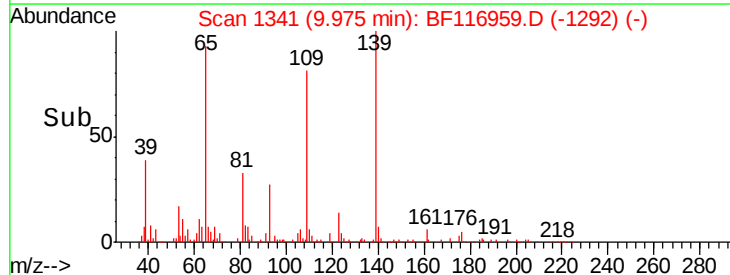
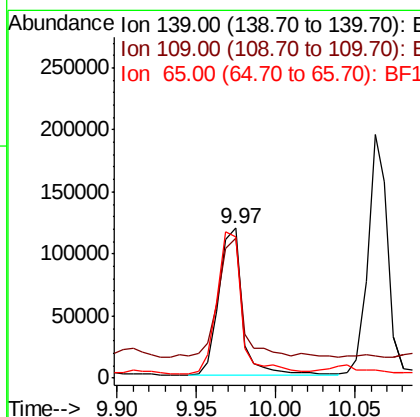
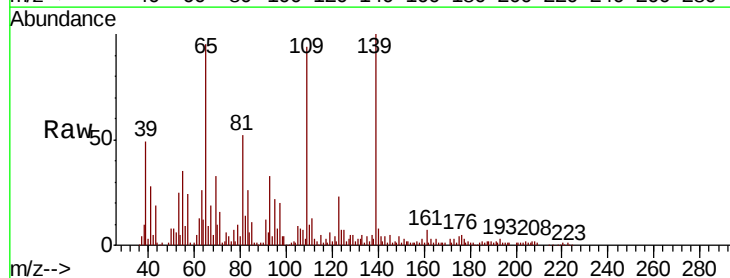
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#56
4-Nitrophenol
Concen: 83.972 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
139	100		
109	93.7	61.7	101.7
65	94.7	89.1	129.1





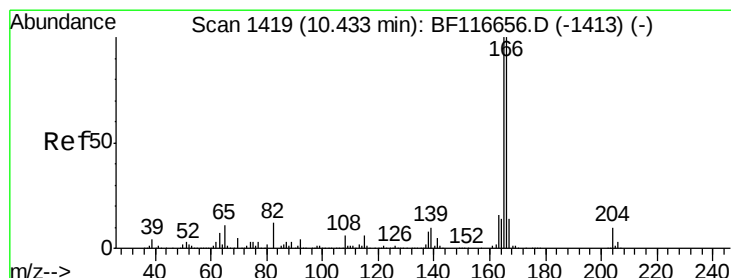
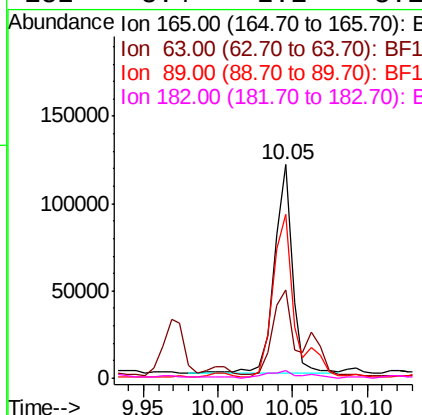
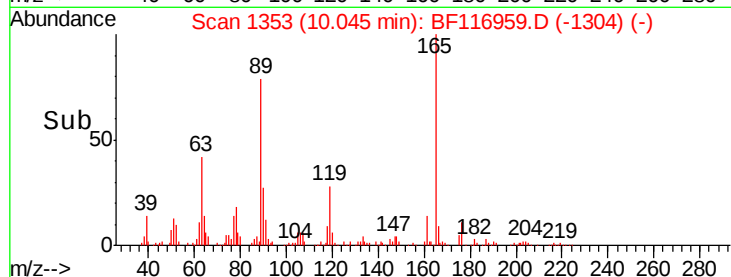
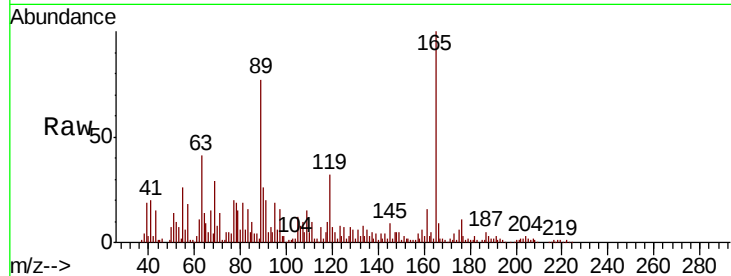
#57
 2,4-Dinitrotoluene
 Concen: 48.423 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	100432		
63	41.3	36.4	54.6	
89	76.7	62.6	94.0	
182	3.4	2.1	3.1	

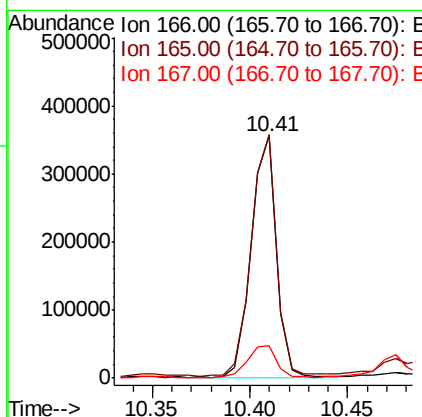
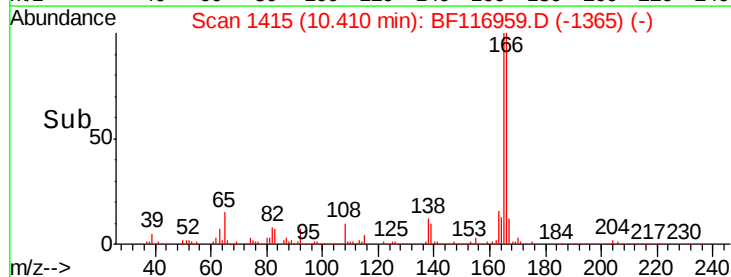
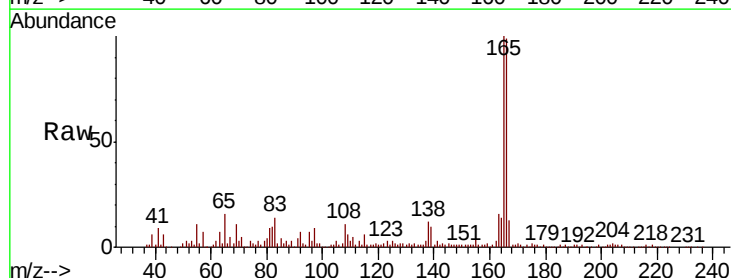
Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM



#58
 Fluorene
 Concen: 40.836 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	315300		
165	100.6	78.8	118.2	
167	13.3	10.0	15.0	





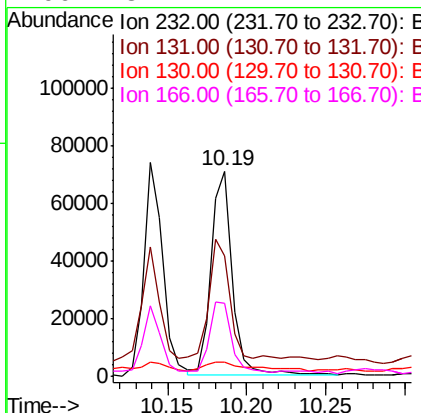
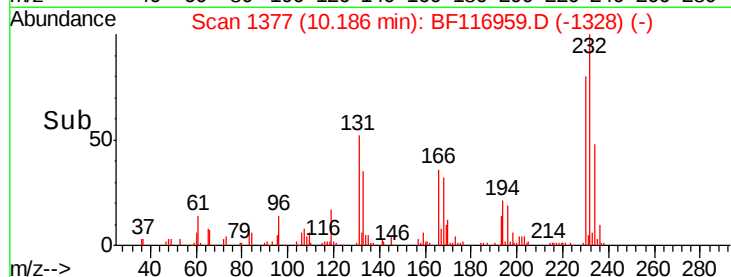
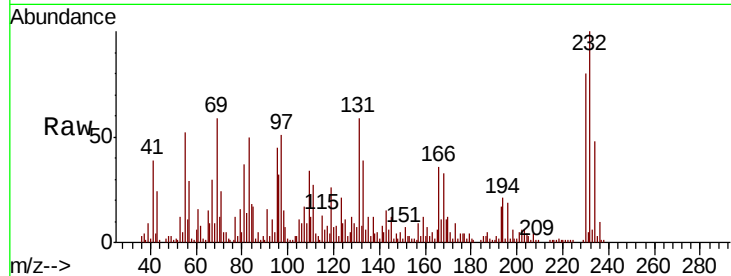
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.574 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	56.1	42.7	64.1
130	10.3	1.9	2.9
166	34.4	27.4	41.2

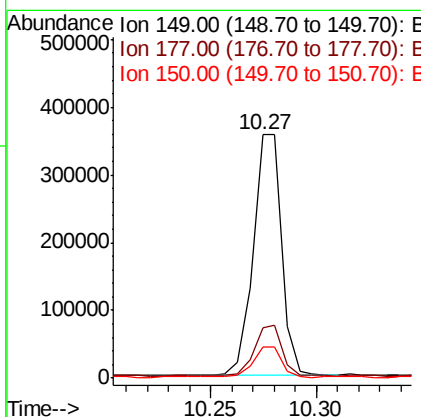
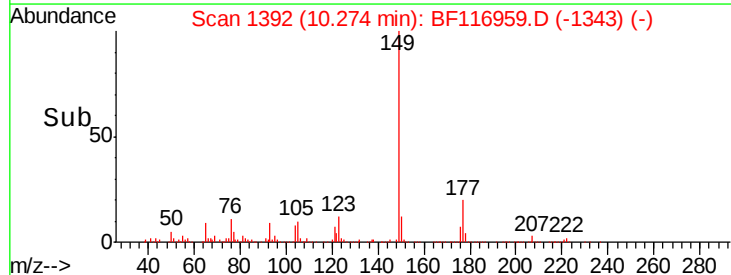
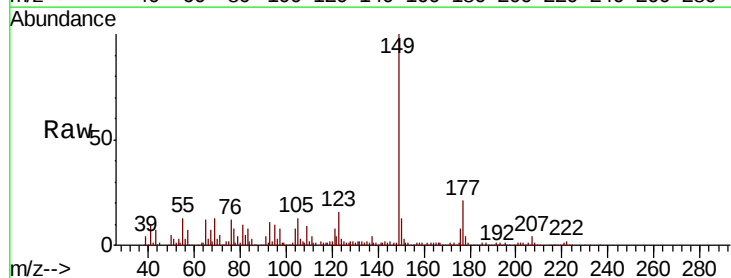
Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM



#60
 Diethylphthalate
 Concen: 37.439 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.8	17.2	25.8
150	12.7	9.7	14.5





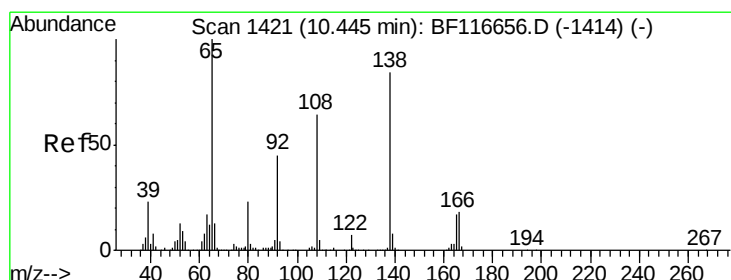
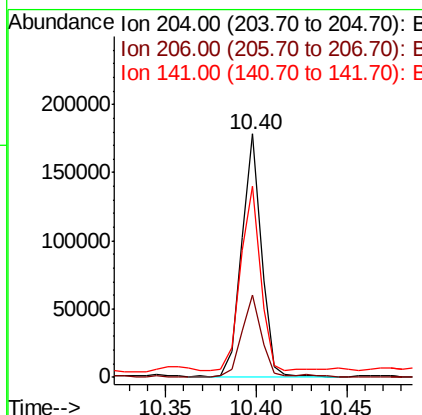
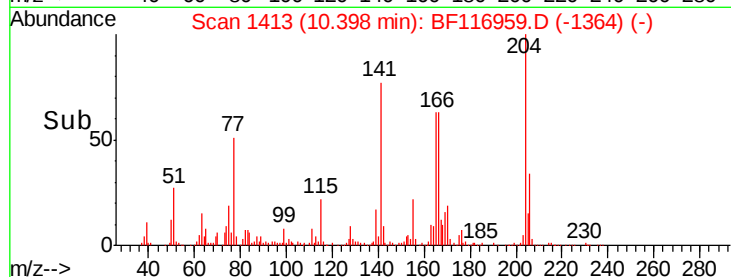
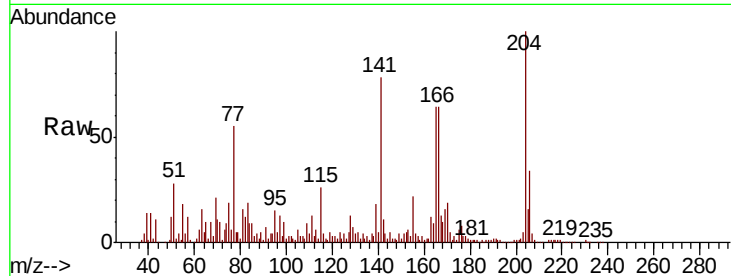
#61
4-Chlorophenyl-phenylether
Concen: 39.516 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.9	25.4	38.2
141	78.3	53.8	80.8

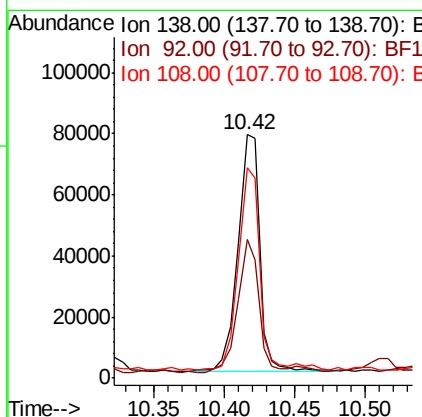
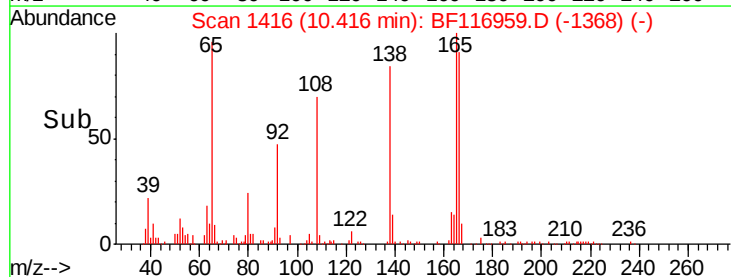
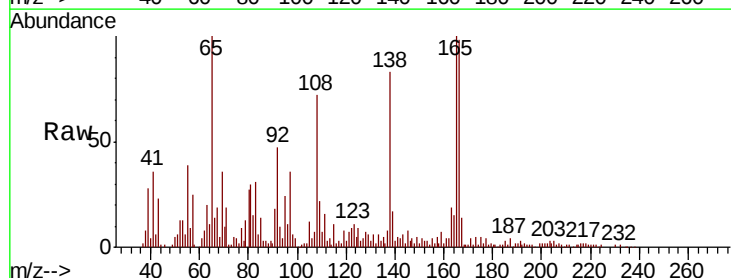
Manual Integrations
APPROVED

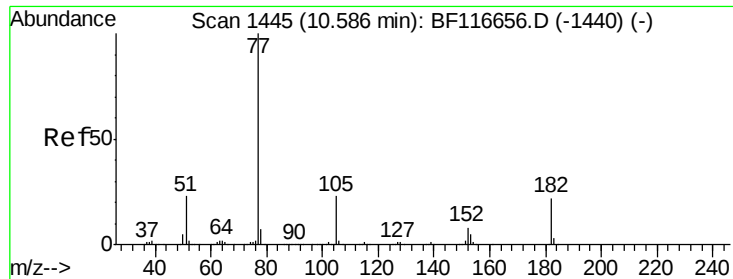
mohammad
9/16/2019 8:57:57 AM



#62
4-Nitroaniline
Concen: 40.992 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.7	28.7	68.7
108	86.7	60.4	100.4





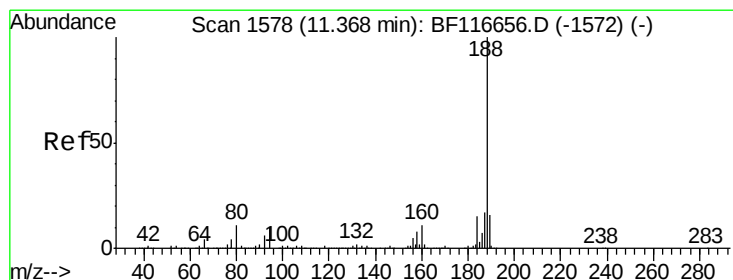
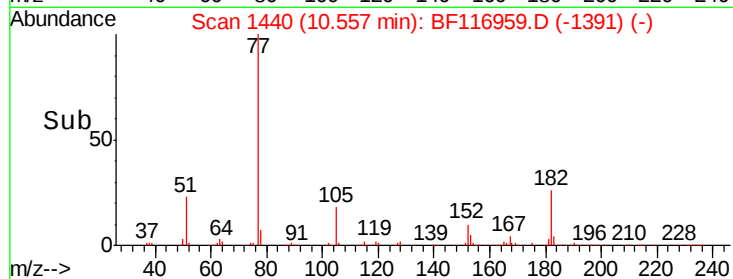
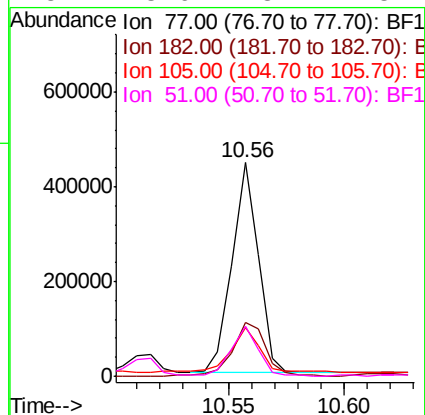
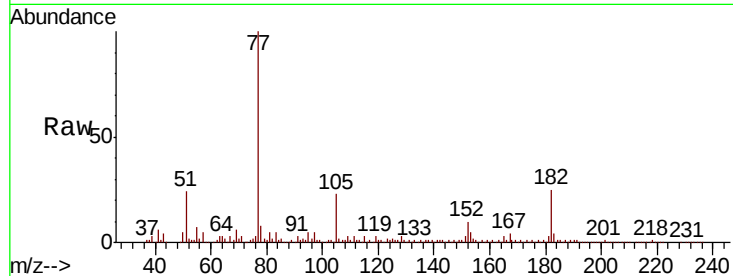
#63
Azobenzene
Concen: 38.099 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		353787		
182	25.1	1.2	41.2		
105	22.6	0.6	40.6		
51	23.6	8.2	48.2		

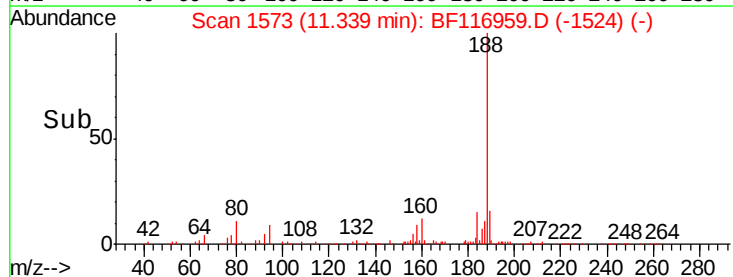
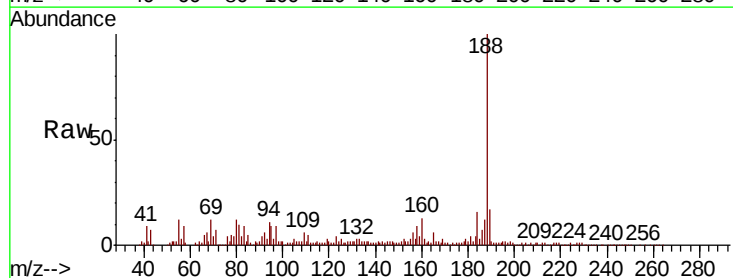
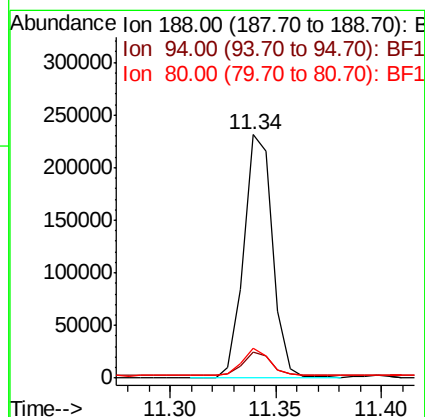
Manual Integrations
APPROVED

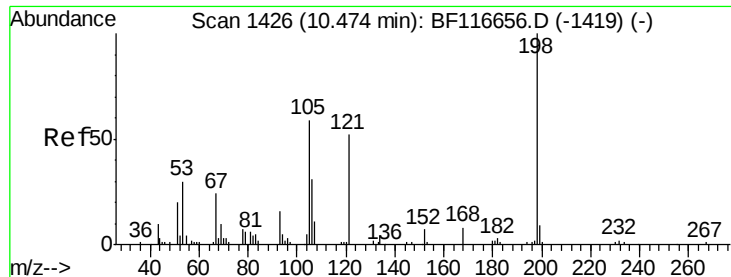
mohammad
9/16/2019 8:57:57 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		217766		
94	10.7	7.3	10.9		
80	12.5	8.4	12.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 39.369 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

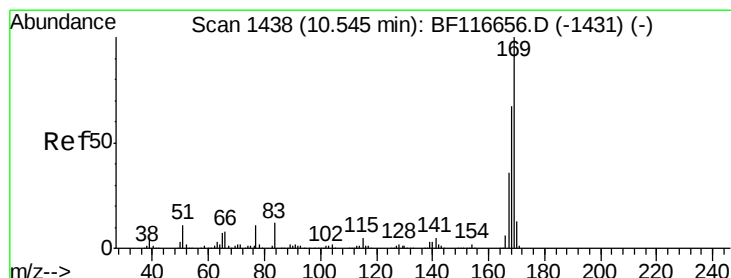
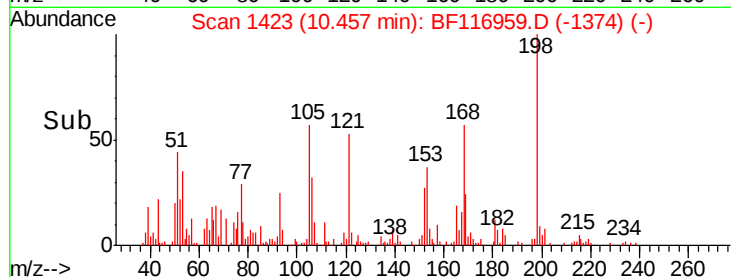
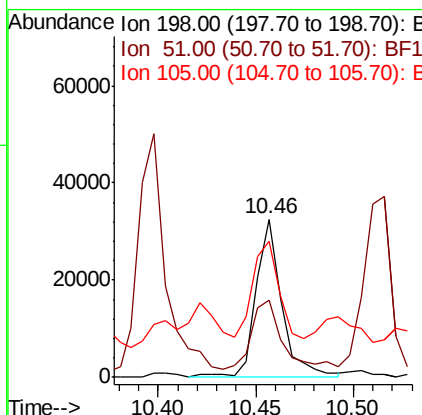
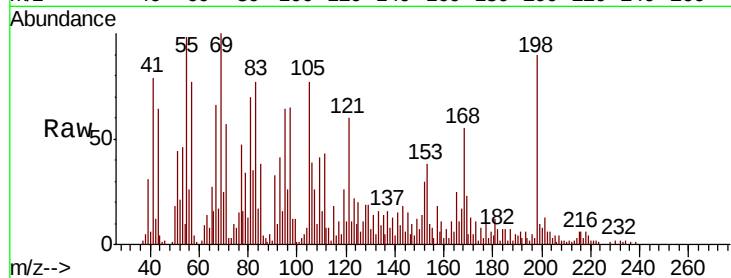
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	198	Resp:	30303
Ion Ratio	Lower	Upper	
198	100		
51	48.6	18.4	58.4
105	85.6	22.9	62.9#

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#66

n-Nitrosodiphenylamine

Concen: 44.955 ng

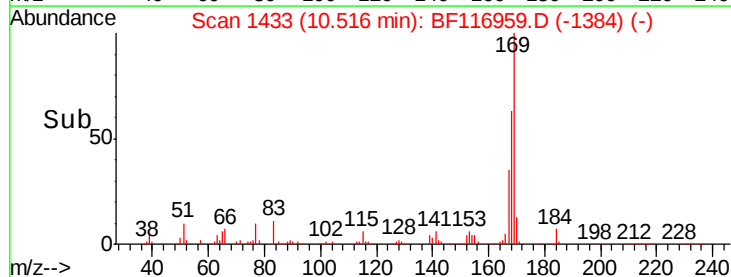
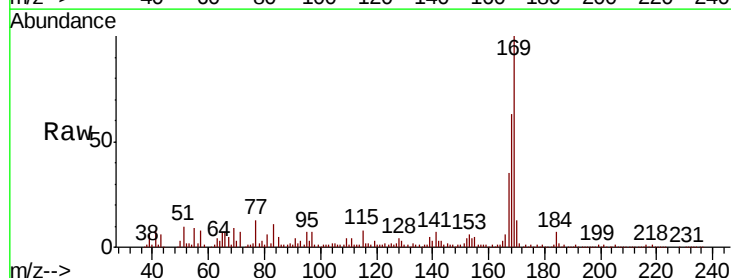
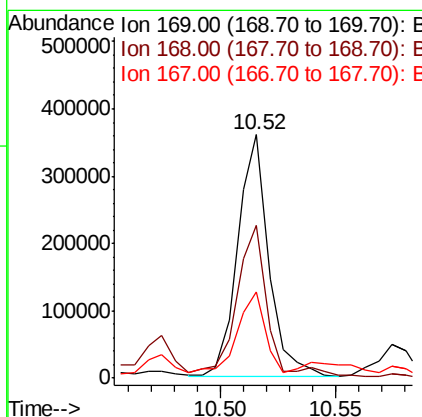
RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	169	Resp:	338660
Ion Ratio	Lower	Upper	
169	100		
168	62.9	55.8	83.6
167	35.2	29.4	44.2





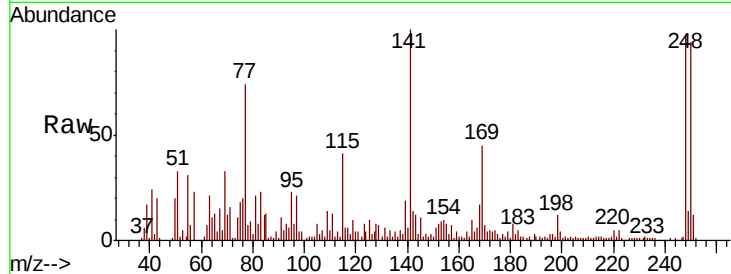
#67
 4-Bromophenyl-phenylether
 Concen: 37.185 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.8	116.8
141	103.1	75.9	113.9

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM

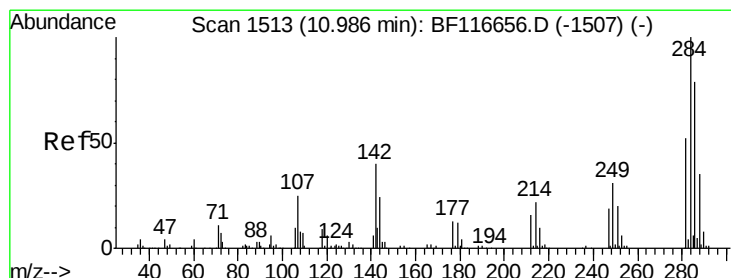
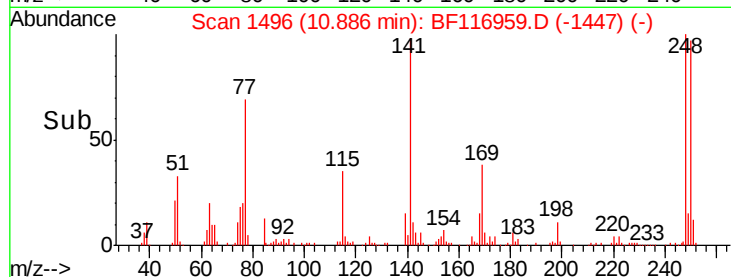
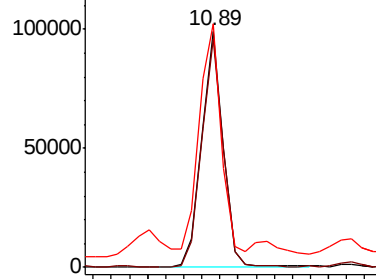


Abundance

Ion 248.00 (247.70 to 248.70): E

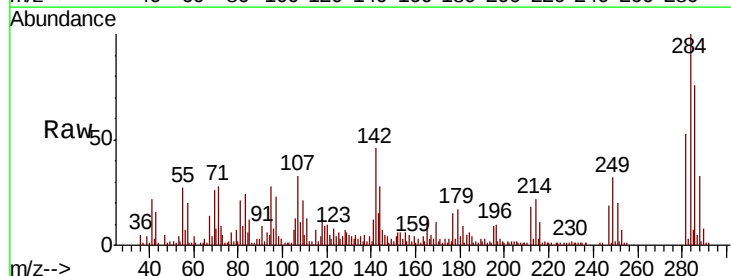
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 36.895 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.2	34.0	51.0
249	31.7	26.4	39.6

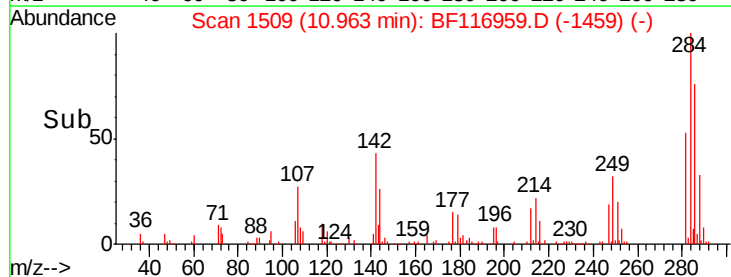
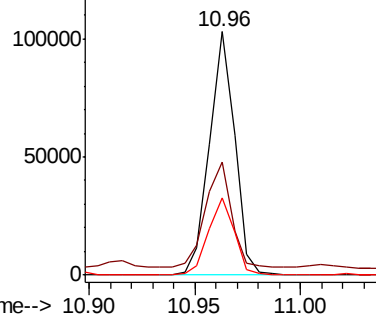


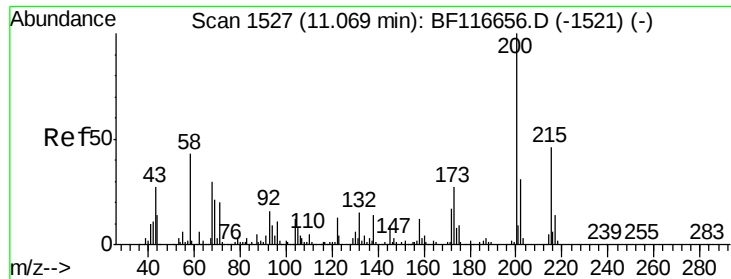
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





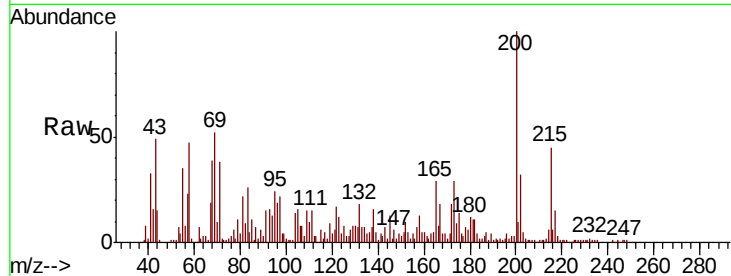
#69
Atrazine
Concen: 39.301 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleID :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	82919		
173	29.3	6.2	46.2	
215	45.3	24.3	64.3	

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

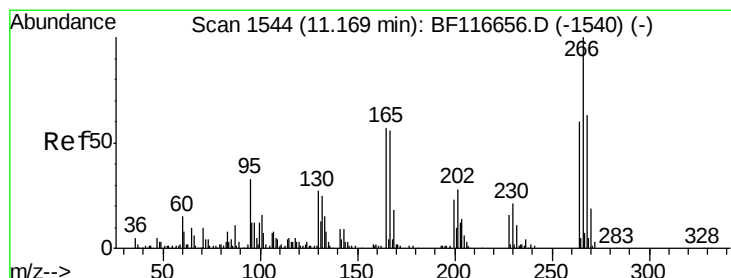
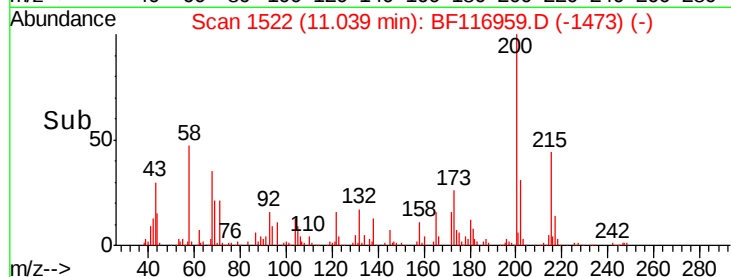
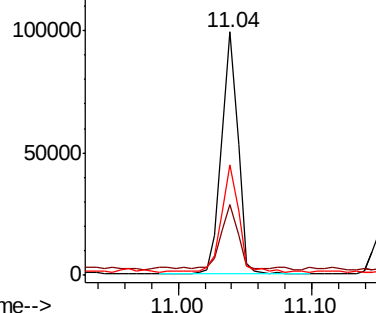


Abundance

Ion 200.00 (199.70 to 200.70): E

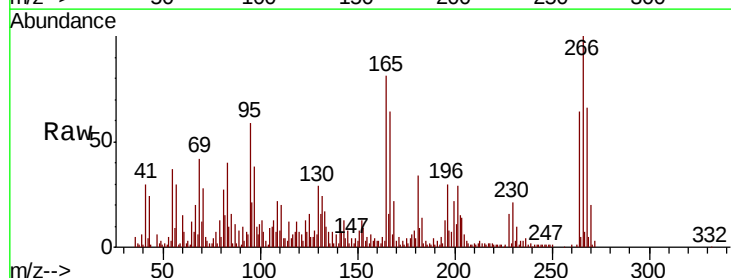
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 71.318 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	79852		
268	65.7	51.2	76.8	
264	64.4	51.9	77.9	

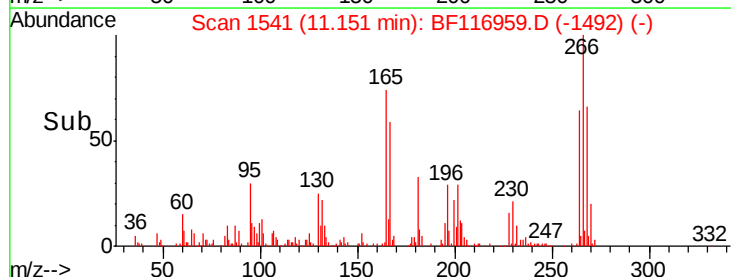
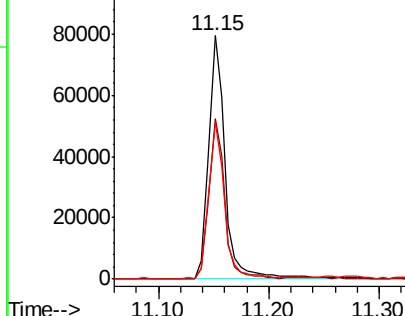


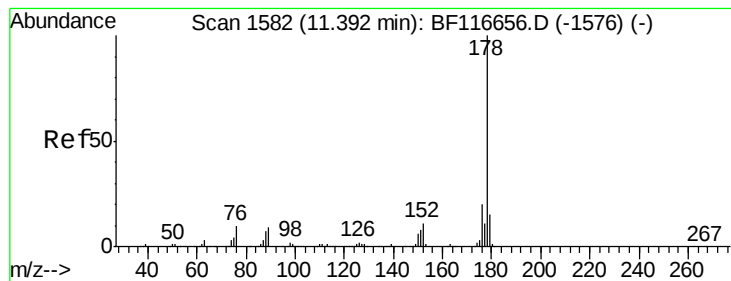
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





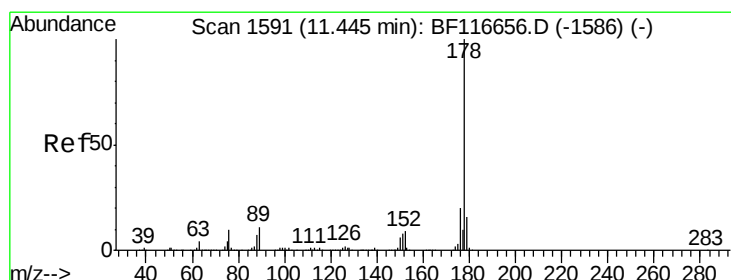
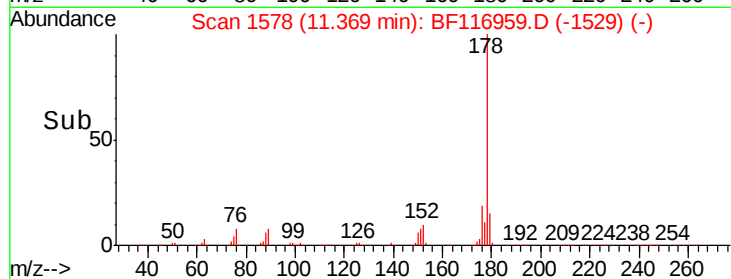
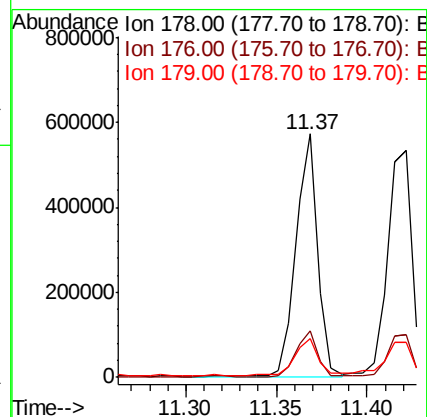
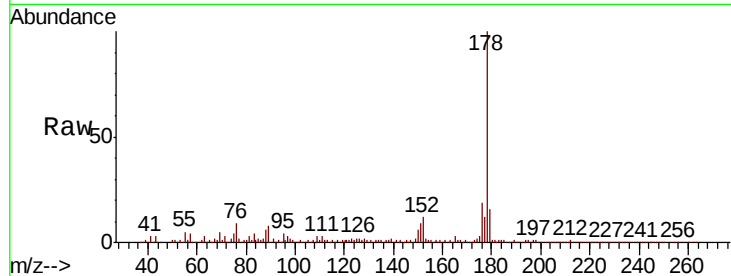
#71
Phenanthrene
Concen: 39.656 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	16.1	12.2	18.2

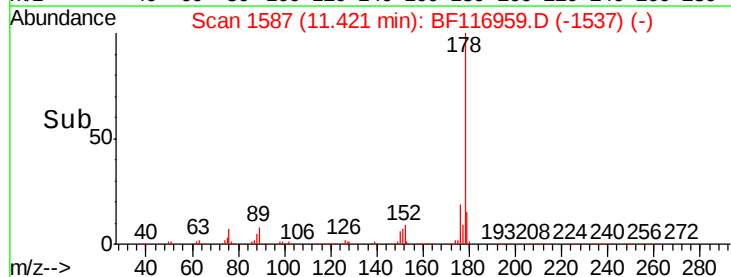
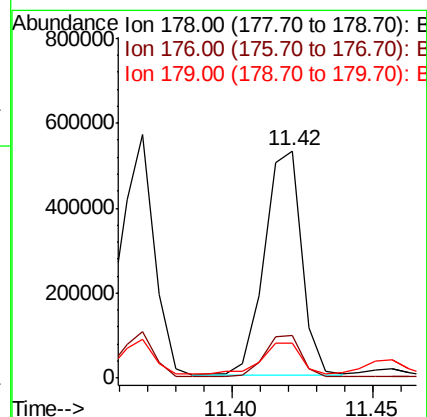
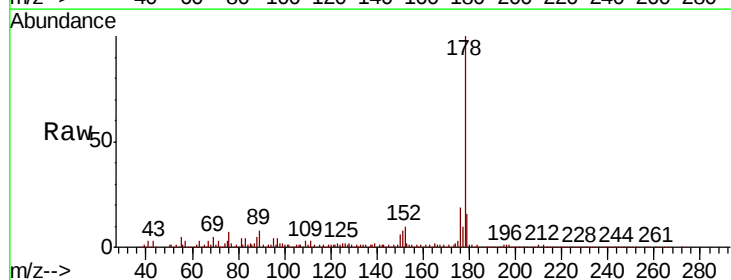
Manual Integrations
APPROVED

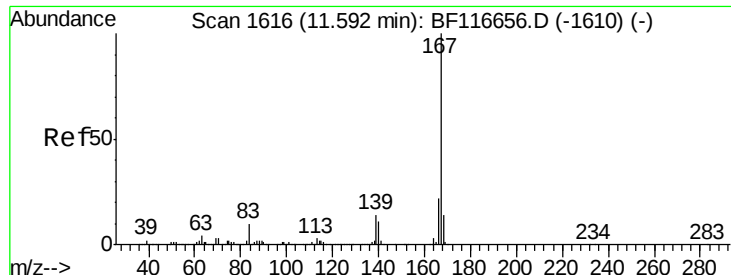
mohammad
9/16/2019 8:57:57 AM



#72
Anthracene
Concen: 39.403 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.5	18.7





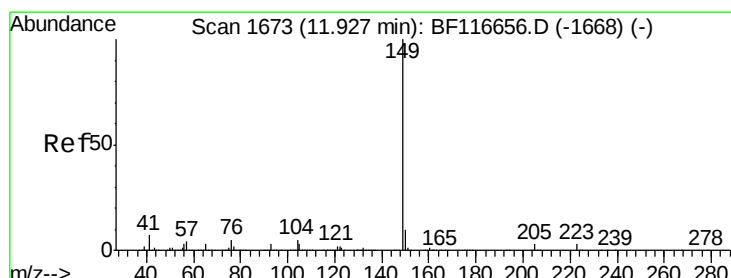
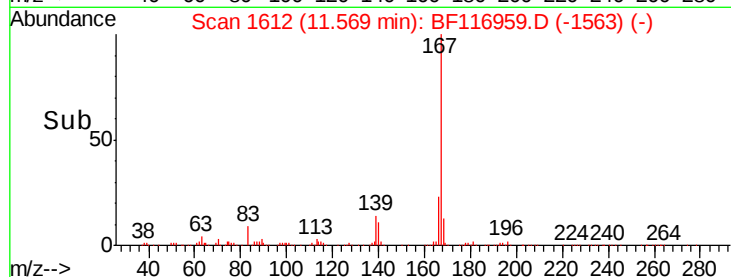
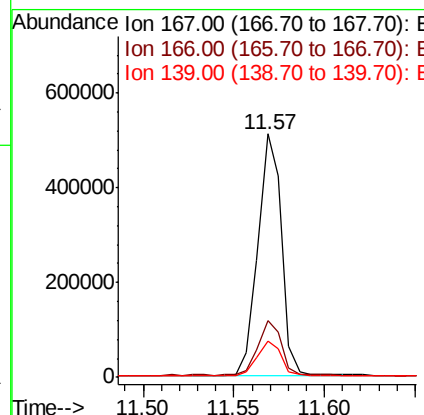
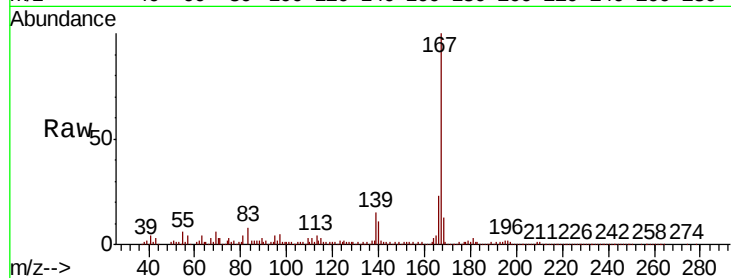
#73
 Carbazole
 Concen: 39.734 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.8	26.6
139	15.1	11.1	16.7

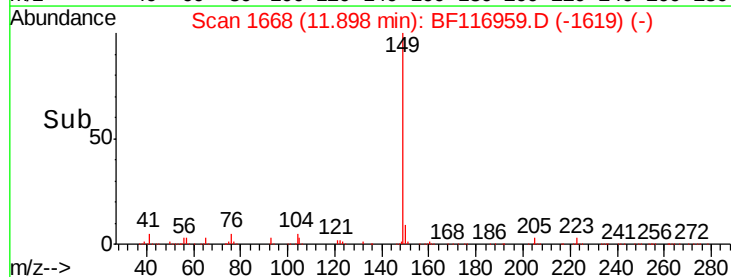
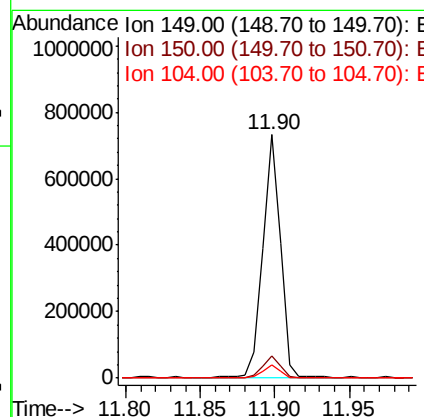
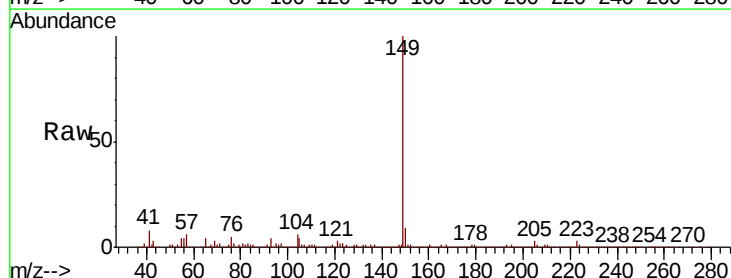
Manual Integrations
 APPROVED

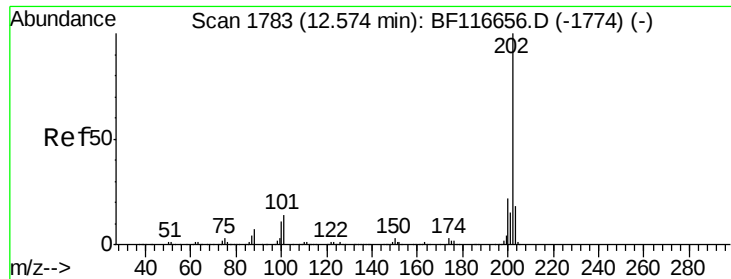
mohammad
 9/16/2019 8:57:57 AM



#74
 Di-n-butylphthalate
 Concen: 39.099 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.5	4.2	6.2





#75

Fluoranthene

Concen: 44.307 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

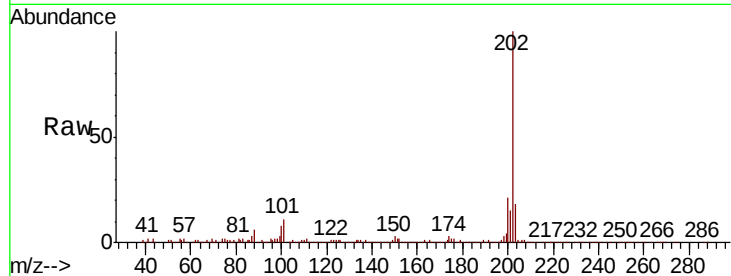
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	31.3
203	17.6	0.0	37.6

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

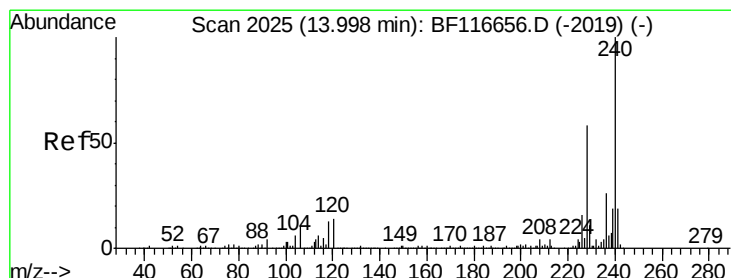
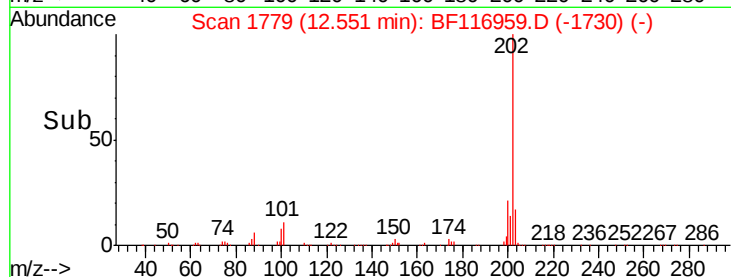
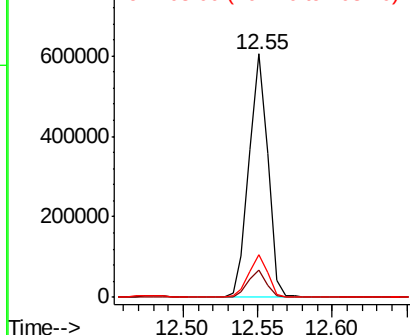


Abundance

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

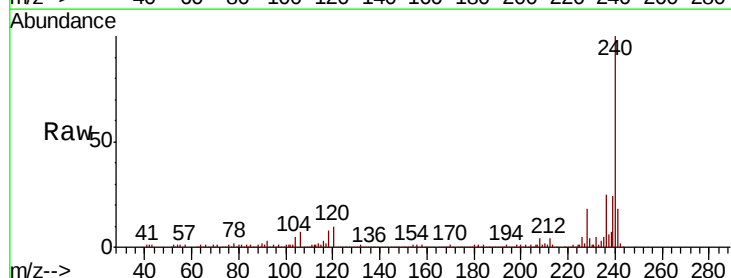
RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	9.1	13.7
236	25.3	21.1	31.7

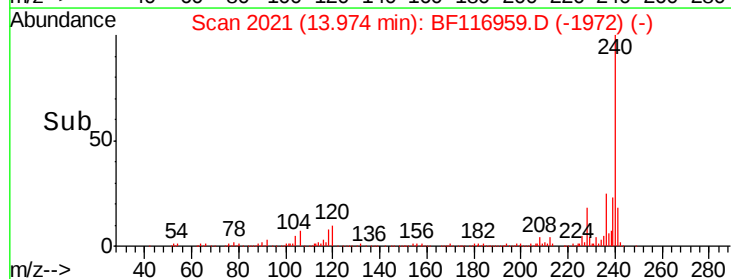
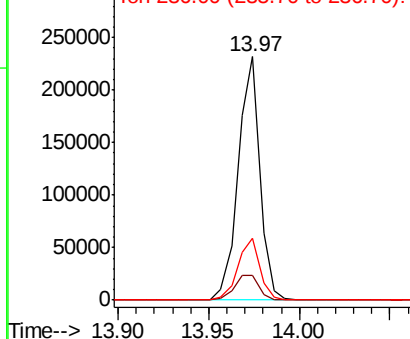


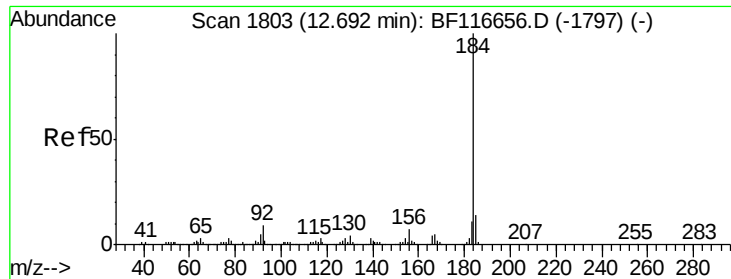
Abundance

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: 32.333 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

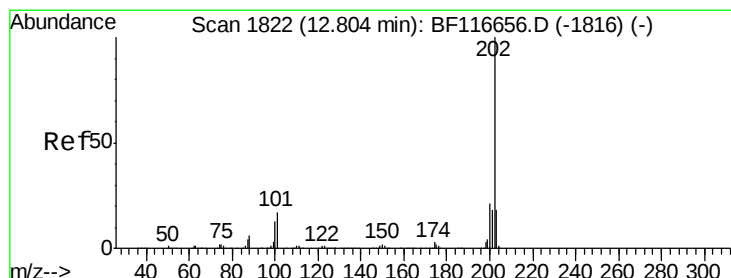
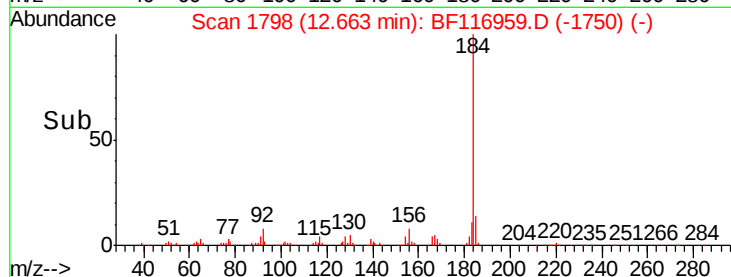
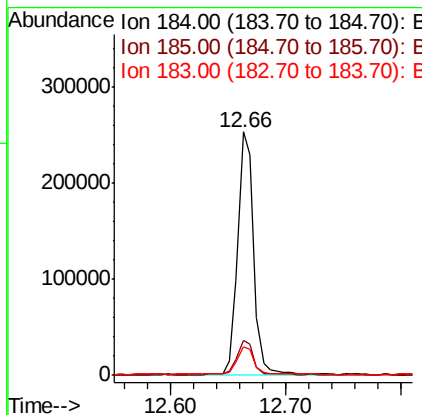
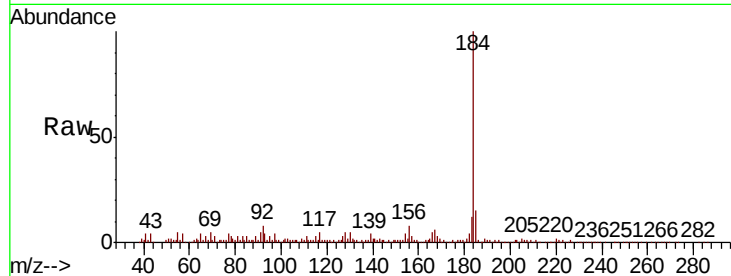
ClientSampleId :

TP-7-D(4-10)MSD

Tot Ion:	184	Resp:	243876
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.3	16.9
183	11.6	9.2	13.8

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#78

Pyrene

Concen: 31.494 ng

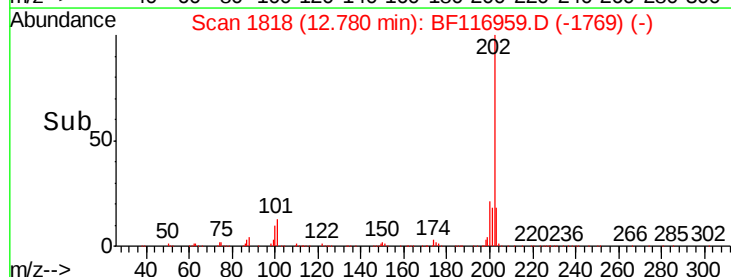
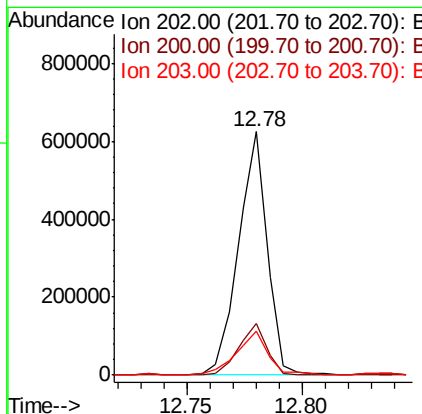
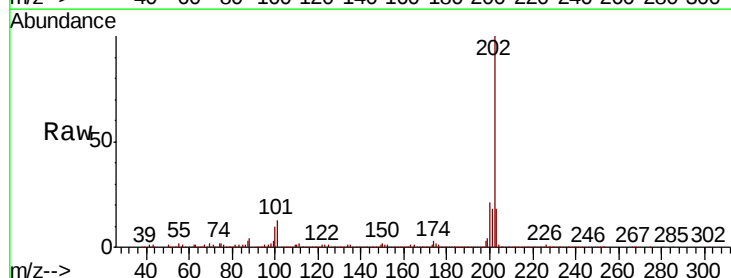
RT: 12.78 min Scan# 1818

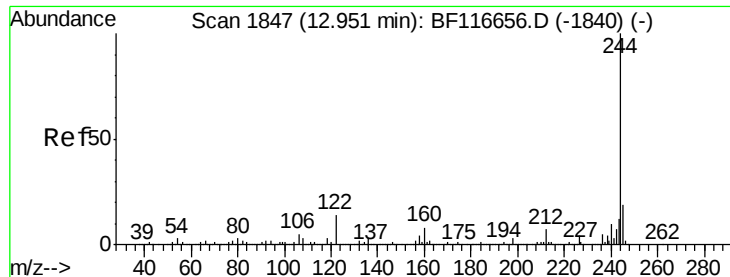
Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	202	Resp:	538365
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.5	24.7
203	18.0	13.7	20.5





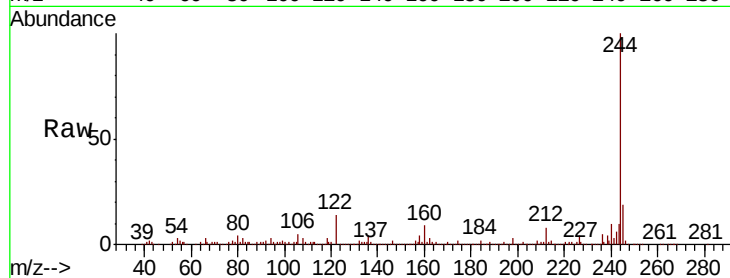
#79
 Terphenyl-d14
 Concen: 54.768 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	14.2	10.2	15.4

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:57 AM

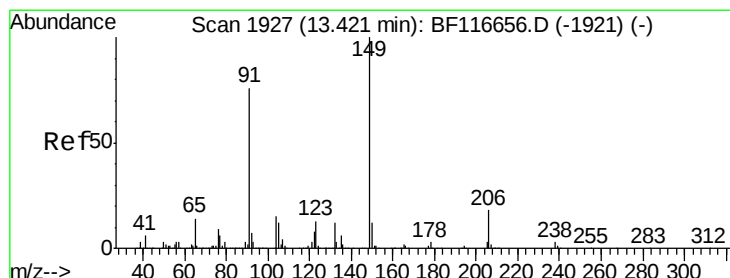
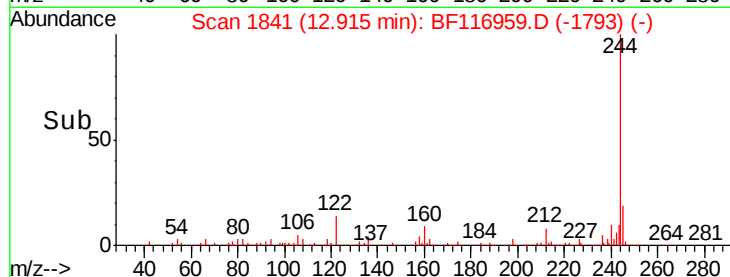
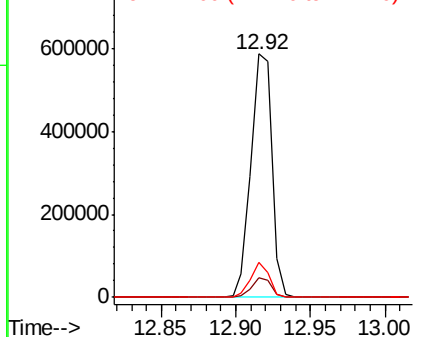


Abundance

Ion 244.00 (243.70 to 244.70): E

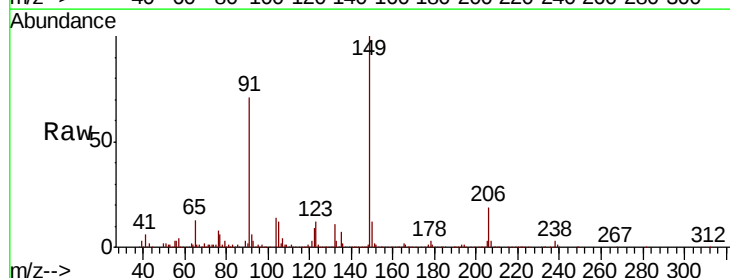
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Butylbenzylphthalate
 Concen: 32.550 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.0	61.0	91.4
206	19.3	14.8	22.2

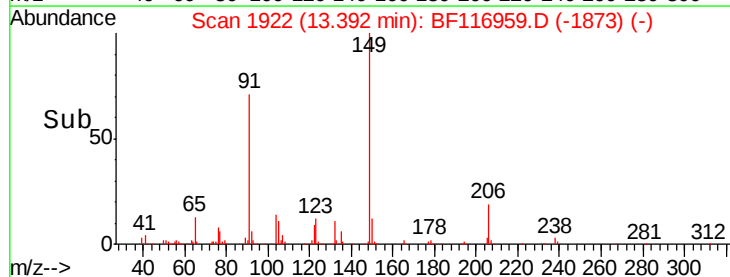
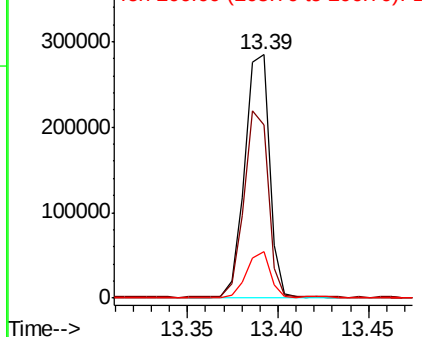


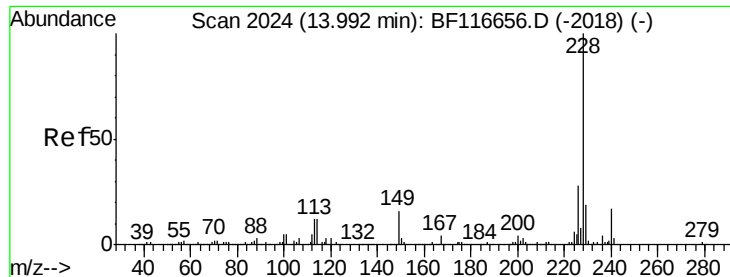
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





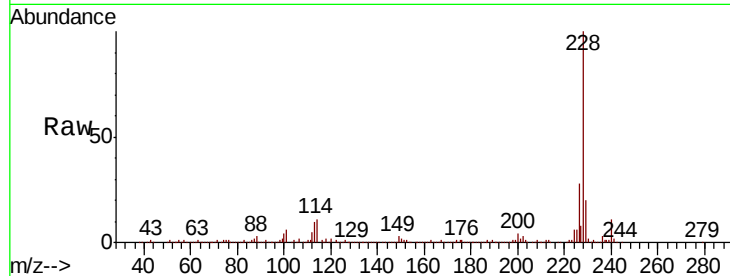
#81
Benzo(a)anthracene
Concen: 37.549 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.7	16.4	24.6

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

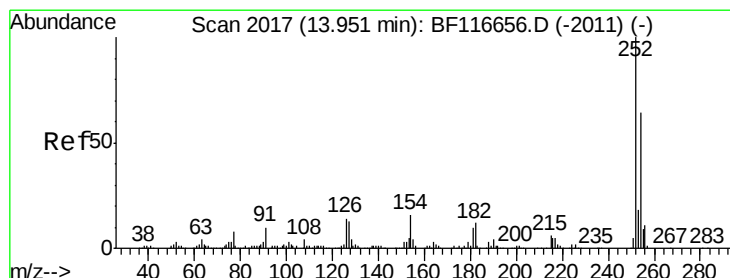
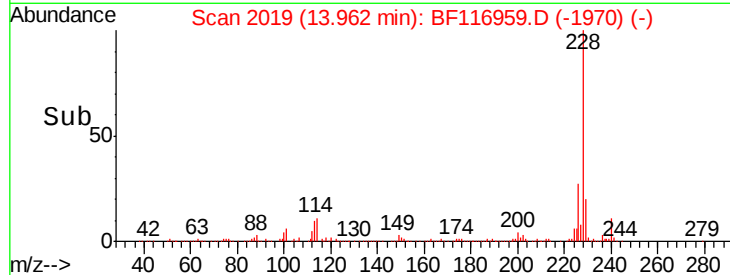
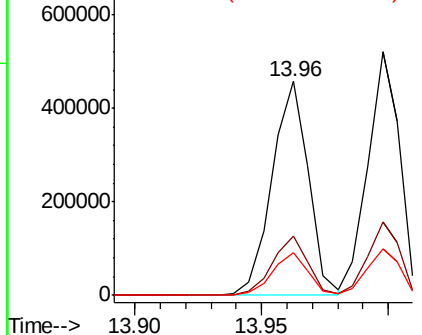


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 12.763 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

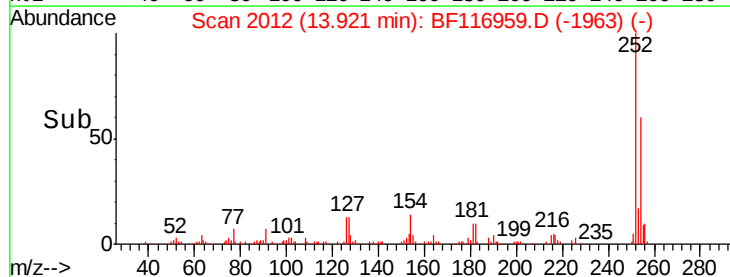
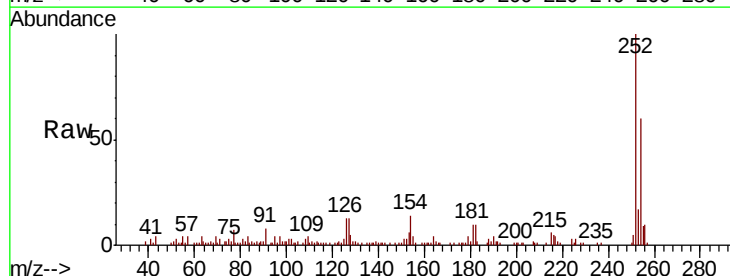
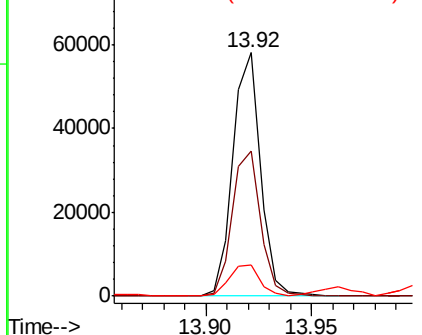
Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.5	50.1	75.1
126	12.8	10.6	16.0

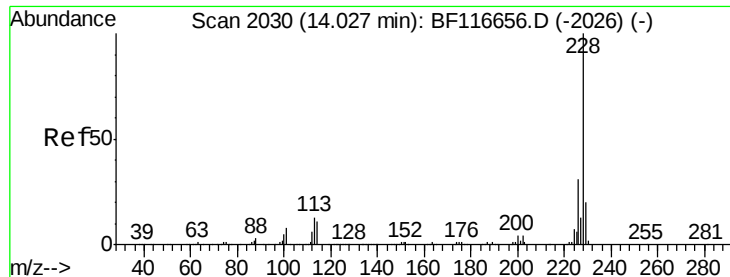
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





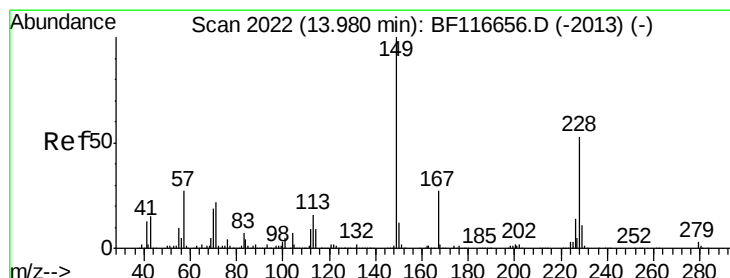
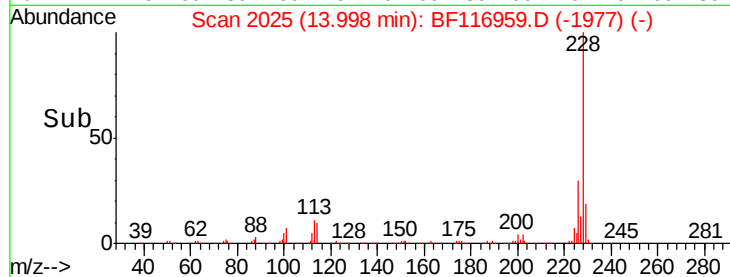
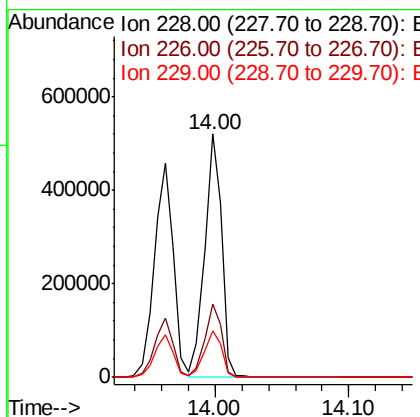
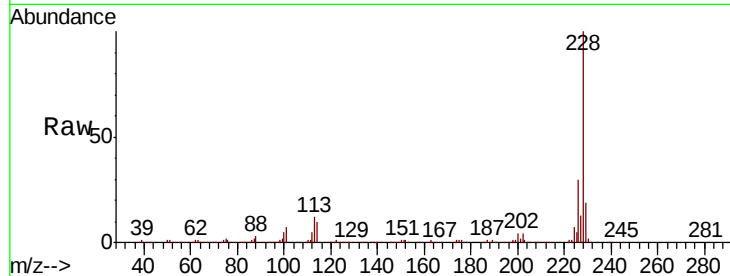
#83
 Chrvsene
 Concen: 36.292 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.3	15.4	23.0

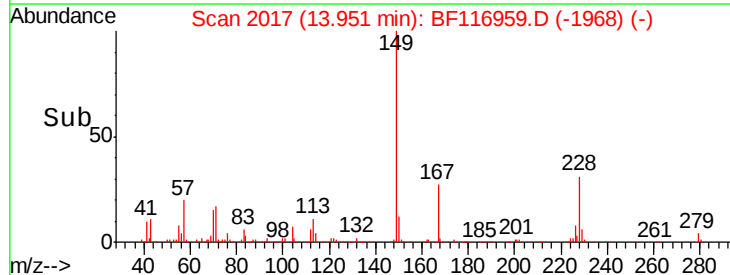
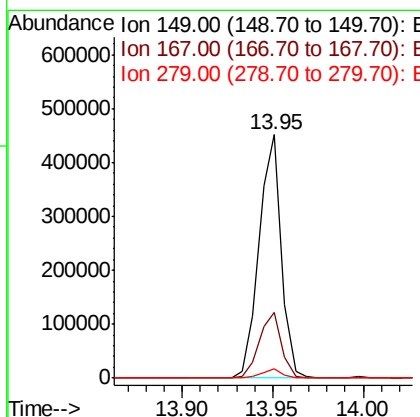
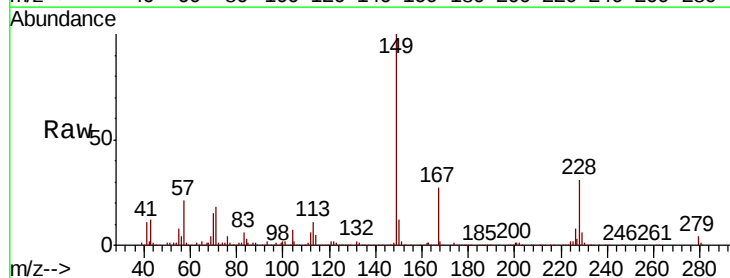
Manual Integrations
 APPROVED

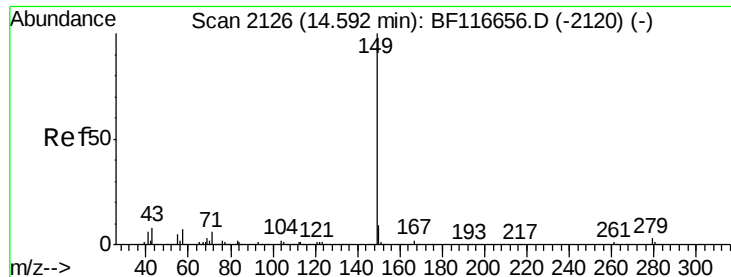
mohammad
 9/16/2019 8:57:57 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 37.681 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF116959.D
 Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	3.7	2.8	4.2





#85

Di-n-octyl phthalate

Concen: 39.238 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Instrument :

BNA_F

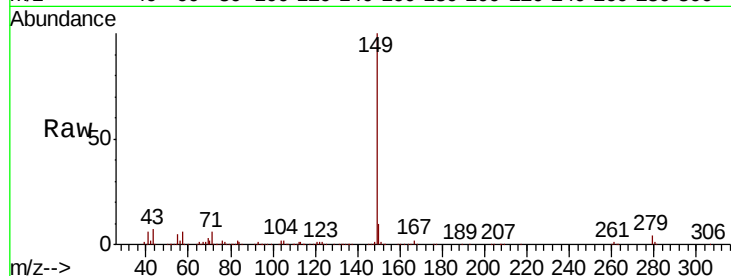
ClientSampleID :

TP-7-D(4-10)MSD

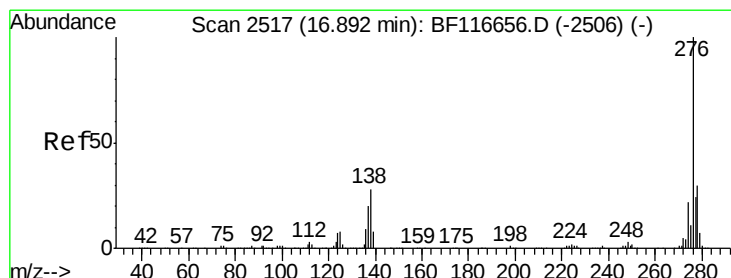
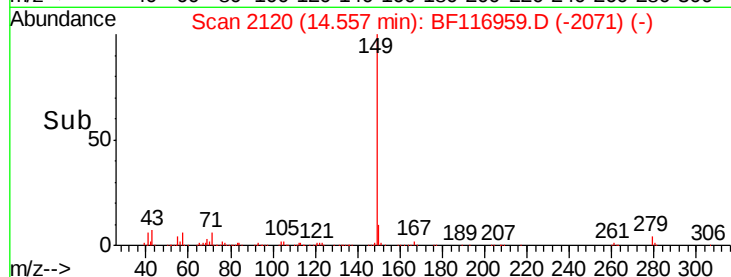
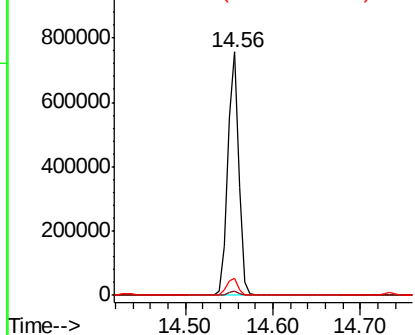
Tot Ion:	149	Resp:	658923
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	7.2	7.8	11.8#

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.023 ng

RT: 16.85 min Scan# 2510

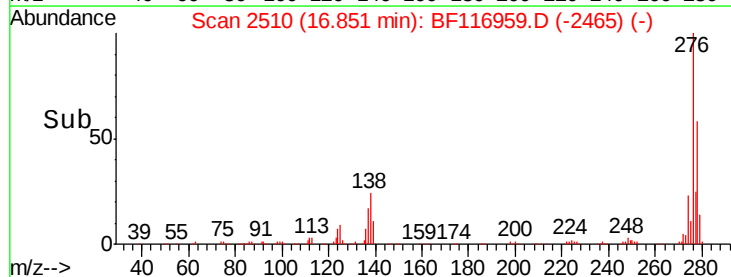
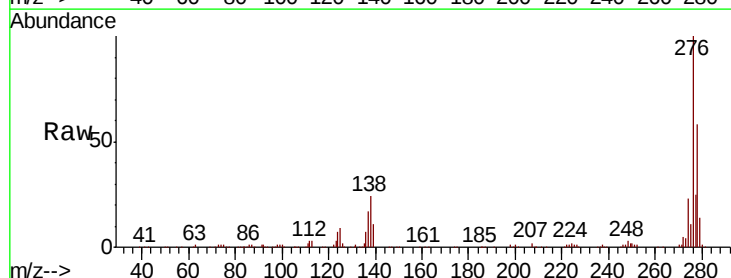
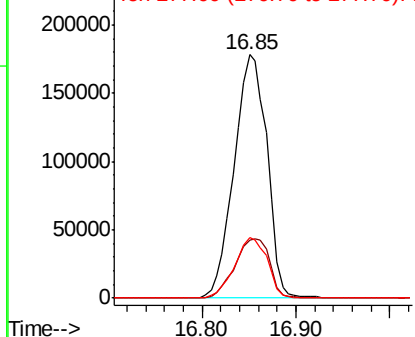
Delta R.T. -0.04 min

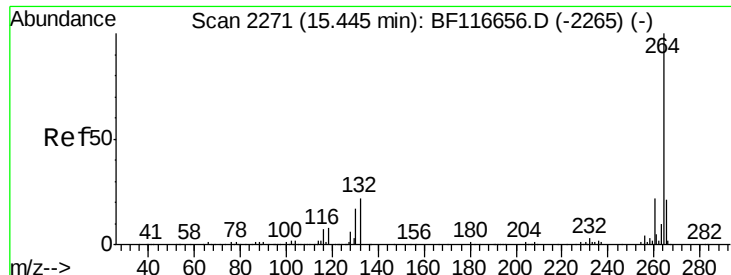
Lab File: BF116959.D

Acq: 11 Sep 2019 21:08

Tgt Ion:	276	Resp:	433307
Ion Ratio	Lower	Upper	
276	100		
138	25.7	19.4	29.2
277	24.7	20.5	30.7

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





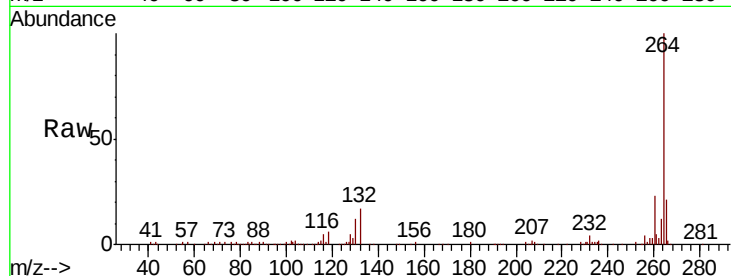
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

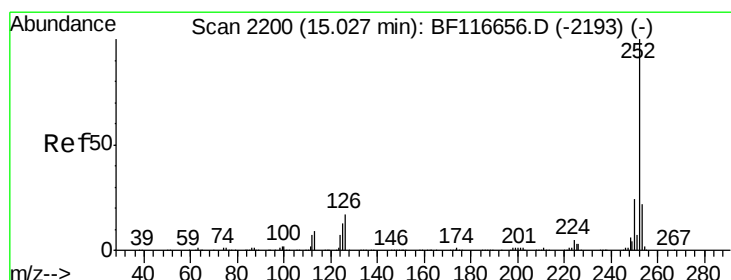
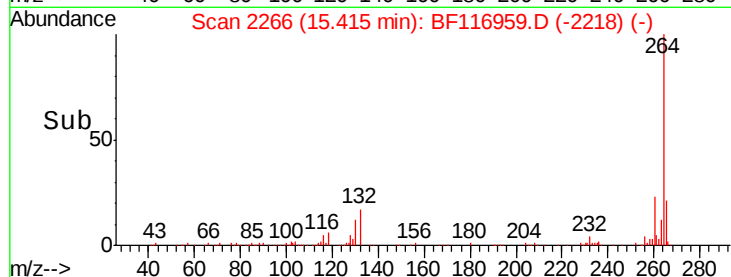
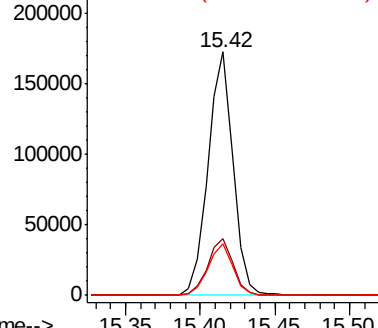
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	21.1	16.5	24.7

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM

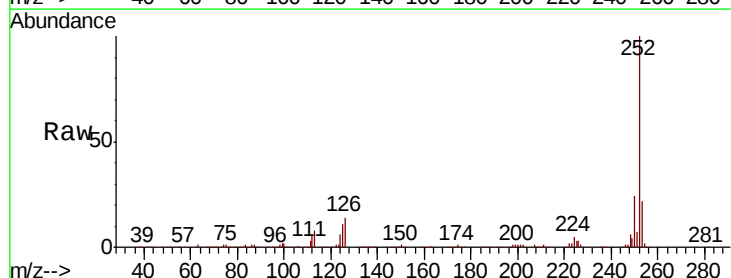


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

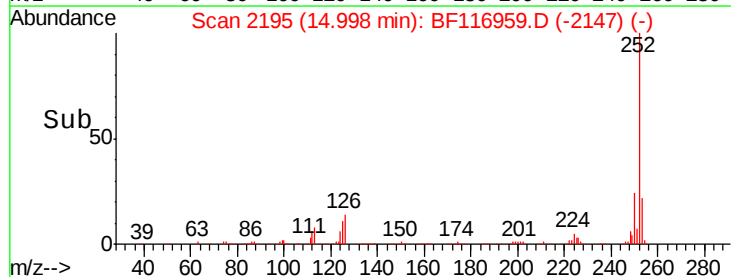
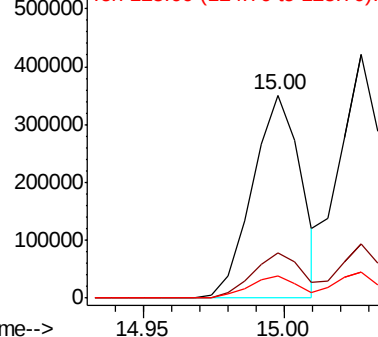


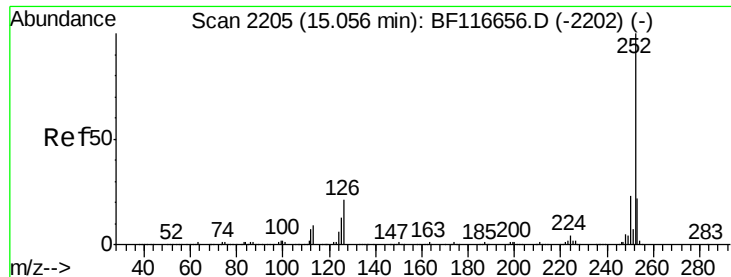
#88
Benzo(b)fluoranthene
Concen: 34.276 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.9	8.2	12.2



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





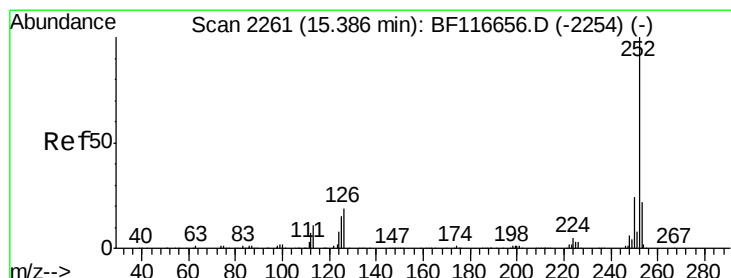
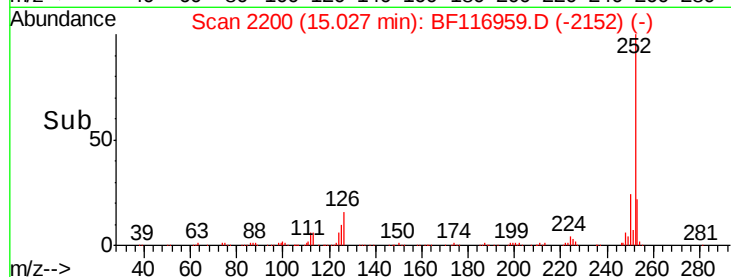
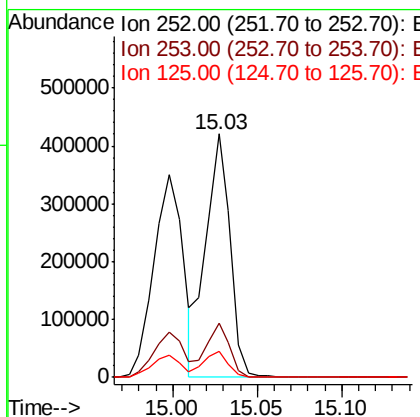
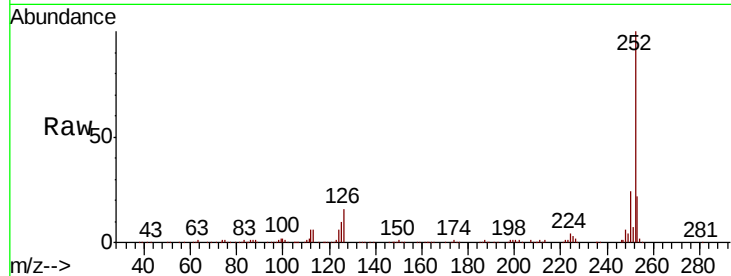
#89
Benzo(k)fluoranthene
Concen: 37.703 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.5	8.6	13.0

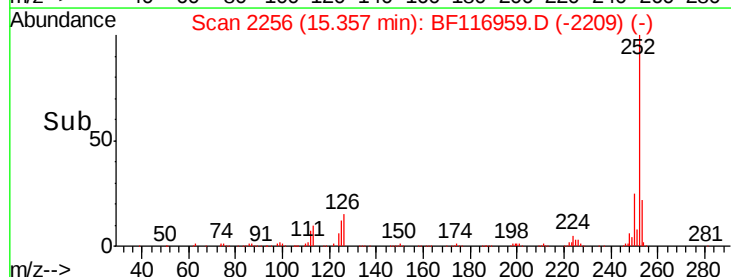
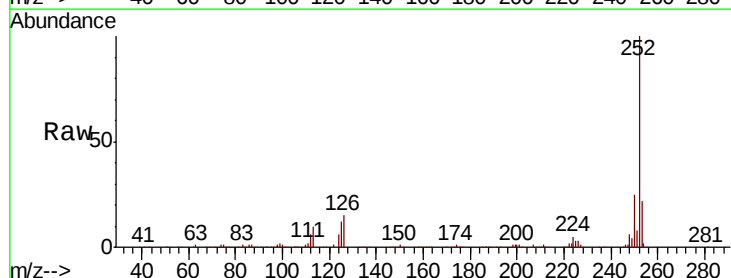
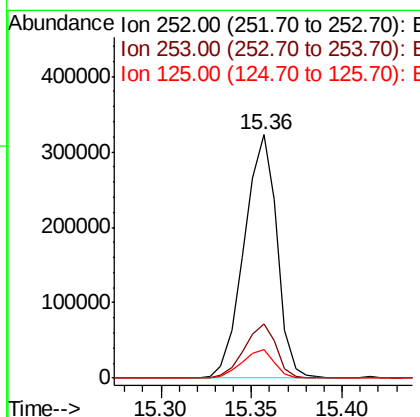
Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#90
Benzo(a)pyrene
Concen: 38.082 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.8	9.8	14.8





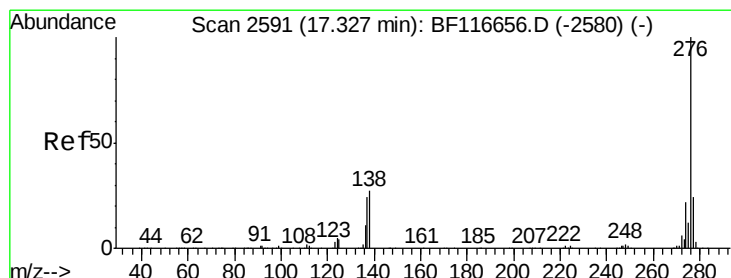
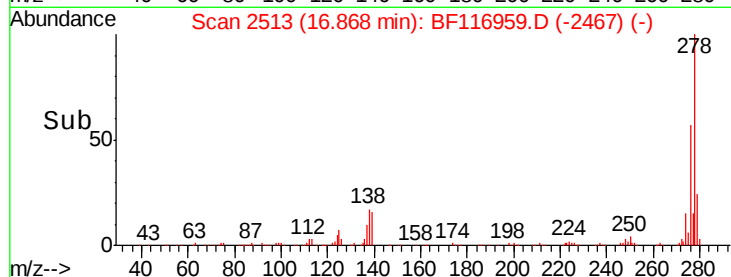
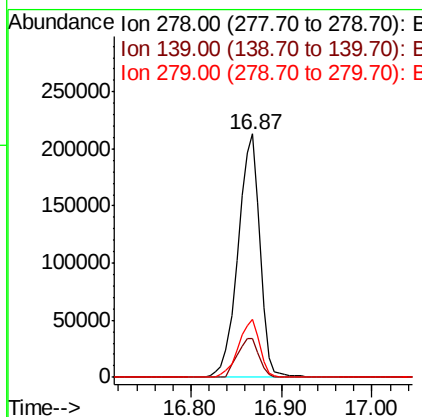
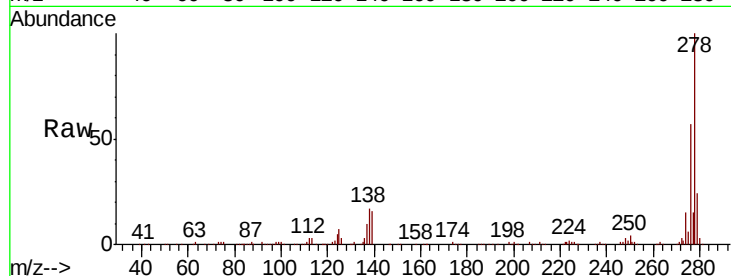
#91
Dibenzo(a,h)anthracene
Concen: 38.494 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.03 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
TP-7-D(4-10)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.4	18.6
279	23.7	18.2	27.4

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:57 AM



#92
Benzo(g,h,i)perylene
Concen: 37.470 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.04 min
Lab File: BF116959.D
Acq: 11 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.5	27.7
138	22.8	16.2	24.2

