

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116722.D
 Acq On : 1 Sep 2019 3:40
 Operator : HP/JU
 Sample : K4089-08MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM

Quant Time: Sep 01 05:03:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116789	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	462949	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	241784	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	405947	20.00	ng	0.00
76) Chrysene-d12	13.99	240	240913	20.00	ng	0.00
87) Perylene-d12	15.44	264	270089	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	928208	128.76	ng	0.01
7) Phenol-d6	6.48	99	1167432	123.33	ng	0.00
23) Nitrobenzene-d5	7.41	82	865813	106.77	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	276242	170.90	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1435674	100.17	ng	0.00
79) Terphenyl-d14	12.94	244	1398619	107.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	133685	40.172	ng	# 84
3) Pyridine	3.43	79	264827	27.485	ng	93
4) n-Nitrosodimethylamine	3.35	42	141743	42.840	ng	88
6) Aniline	6.51	93	273156	20.834	ng	99
8) 2-Chlorophenol	6.63	128	384360	48.841	ng	94
9) Benzaldehyde	6.39	77	217403	34.860	ng	98
10) Phenol	6.49	94	431719	41.186	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	389919	47.773	ng	97
12) 1,3-Dichlorobenzene	6.79	146	388311	43.659	ng	97
13) 1,4-Dichlorobenzene	6.86	146	399952	45.167	ng	99
14) 1,2-Dichlorobenzene	7.02	146	374252	45.607	ng	99
15) Benzyl Alcohol	6.99	79	374859	48.785	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	431690	45.081	ng	99
17) 2-Methylphenol	7.10	107	322681	46.840	ng	94
18) Hexachloroethane	7.36	117	149180	43.362	ng	92
19) n-Nitroso-di-n-propylamine	7.26	70	294932	47.319	ng	# 89
20) 3+4-Methylphenols	7.25	107	391477	48.874	ng	# 84
22) Acetophenone	7.26	105	555382	49.830	ng	# 91
24) Nitrobenzene	7.43	77	441004	53.470	ng	93
25) Isophorone	7.67	82	826164	50.276	ng	98
26) 2-Nitrophenol	7.75	139	191849	62.566	ng	89
27) 2,4-Dimethylphenol	7.78	122	357769	57.772	ng	95
28) bis(2-Chloroethoxy)methane	7.87	93	503739	50.164	ng	99
29) 2,4-Dichlorophenol	7.99	162	328073	55.125	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	319570	49.506	ng	94
31) Naphthalene	8.15	128	1139078	51.744	ng	99
32) Benzoic acid	7.89	122	153060	43.773	ng	97
33) 4-Chloroaniline	8.19	127	109061	10.884	ng	97
34) Hexachlorobutadiene	8.27	225	165963	47.153	ng	99
35) Caprolactam	8.56	113	94821m	42.573	ng	
36) 4-Chloro-3-methylphenol	8.67	107	383254	56.030	ng	99
37) 2-Methylnaphthalene	8.84	142	790402	53.964	ng	98
38) 1-Methylnaphthalene	8.94	142	736590	53.274	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	288485	49.773	ng	# 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116722.D
 Acq On : 1 Sep 2019 3:40
 Operator : HP/JU
 Sample : K4089-08MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

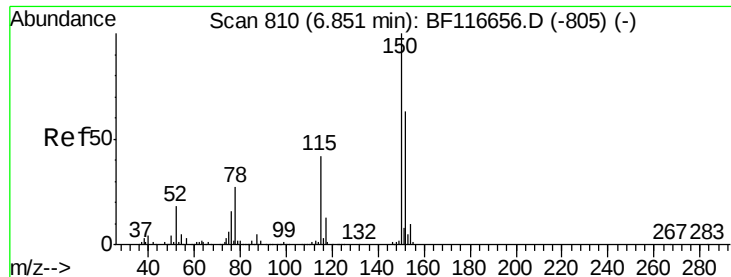
Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM

Quant Time: Sep 01 05:03:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	229946	68.702	nq	97
43) 2,4,6-Trichlorophenol	9.12	196	214573	54.006	nq	96
44) 2,4,5-Trichlorophenol	9.16	196	236611	57.363	nq	94
46) 1,1'-Biphenyl	9.30	154	925743	50.458	nq	98
47) 2-Chloronaphthalene	9.33	162	731748	50.356	nq	99
48) 2-Nitroaniline	9.42	65	245250	58.378	nq	98
49) Acenaphthylene	9.75	152	1171211	53.319	nq	99
50) Dimethylphthalate	9.60	163	885559	53.051	nq	99
51) 2,6-Dinitrotoluene	9.66	165	199603	62.673	nq	91
52) Acenaphthene	9.92	154	736739	54.587	nq	99
53) 3-Nitroaniline	9.83	138	146885	36.802	nq	91
54) 2,4-Dinitrophenol	9.93	184	100094	87.604	nq	89
55) Dibenzofuran	10.09	168	1026312	53.941	nq	98
56) 4-Nitrophenol	9.99	139	304704	111.339	nq	88
57) 2,4-Dinitrotoluene	10.07	165	272409	69.951	nq	88
58) Fluorene	10.43	166	787342	54.309	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	176125	59.163	nq	96
60) Diethylphthalate	10.30	149	884179	52.878	nq	98
61) 4-Chlorophenyl-phenylether	10.42	204	339436	53.468	nq	97
62) 4-Nitroaniline	10.45	138	232069	59.914	nq	93
63) Azobenzene	10.58	77	951070	54.548	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	80529	52.953	nq	89
66) n-Nitrosodiphenylamine	10.54	169	735485	52.373	nq	97
67) 4-Bromophenyl-phenylether	10.91	248	207214	50.247	nq	98
68) Hexachlorobenzene	10.98	284	212436	49.236	nq	98
69) Atrazine	11.06	200	211017	53.652	nq	96
70) Pentachlorophenol	11.17	266	217330	104.125	nq	97
71) Phenanthrene	11.39	178	1168548	51.711	nq	99
72) Anthracene	11.44	178	1204019	52.929	nq	99
73) Carbazole	11.59	167	1141491	52.680	nq	100
74) Di-n-butylphthalate	11.92	149	1458000	52.487	nq	99
75) Fluoranthene	12.57	202	1130885	50.923	nq	98
77) Benzidine	12.69	184	60584	6.412	nq	99
78) Pyrene	12.80	202	1115210	52.075	nq	99
80) Butylbenzylphthalate	13.42	149	600426	57.654	nq	100
81) Benzo(a)anthracene	13.99	228	783298	51.373	nq	99
82) 3,3'-Dichlorobenzidine	13.94	252	238412	46.269	nq	99
83) Chrysene	14.02	228	811036	51.630	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	806858	62.763	nq	98
85) Di-n-octyl phthalate	14.59	149	1338243	63.611	nq	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	799303	63.349	nq	# 93
88) Benzo(b)fluoranthene	15.03	252	814863	49.902	nq	98
89) Benzo(k)fluoranthene	15.06	252	739875	49.694	nq	98
90) Benzo(a)pyrene	15.39	252	769014	54.131	nq	97
91) Dibenzo(a,h)anthracene	16.91	278	672853	54.109	nq	# 94
92) Benzo(g,h,i)perylene	17.33	276	627467	49.476	nq	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

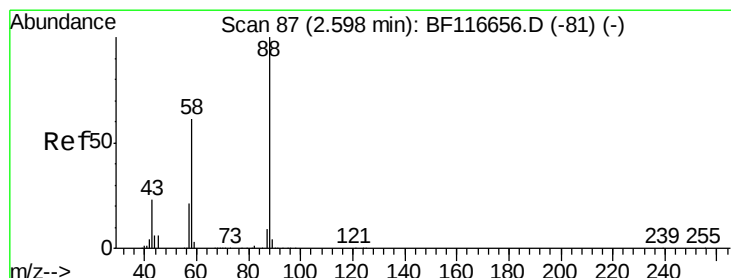
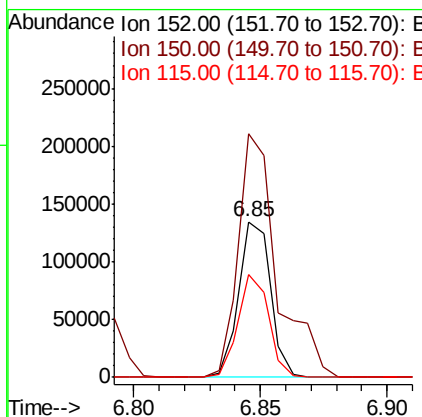
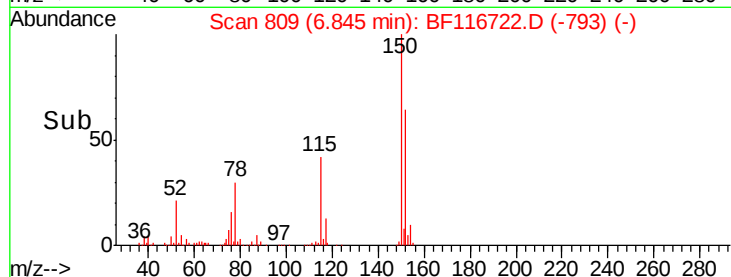
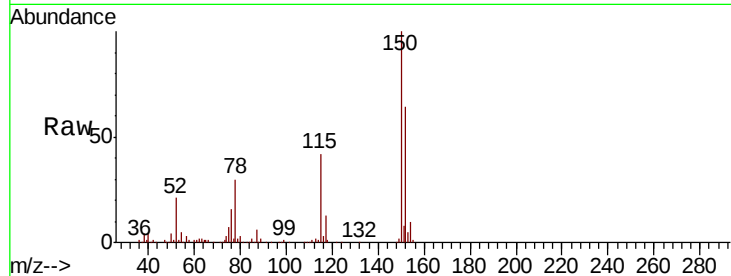
ClientSampleId :

OK-02-082919MS

Tot Ion:	152	Resp:	116789
Ion Ratio	Lower	Upper	
152	100		
150	156.6	124.4	186.6
115	65.9	49.9	74.9

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#2

1,4-Dioxane

Concen: 40.172 ng

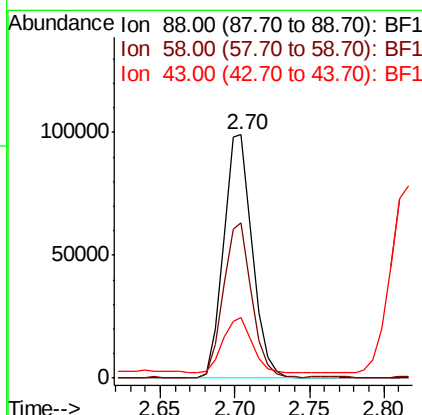
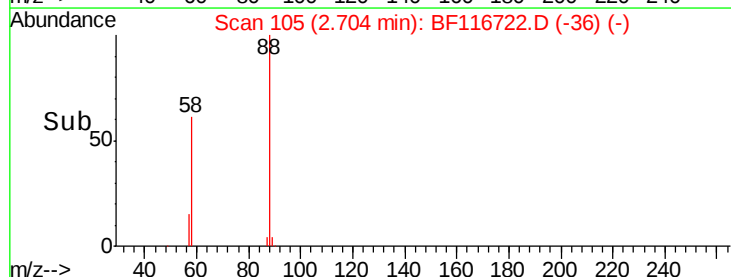
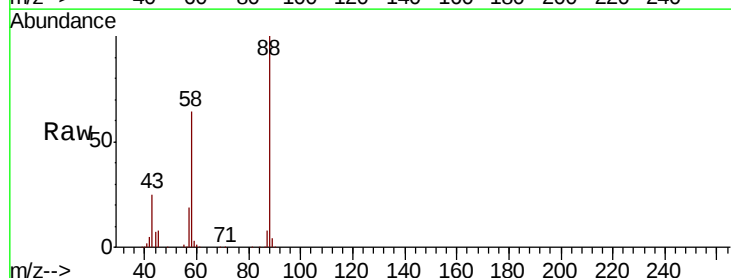
RT: 2.70 min Scan# 105

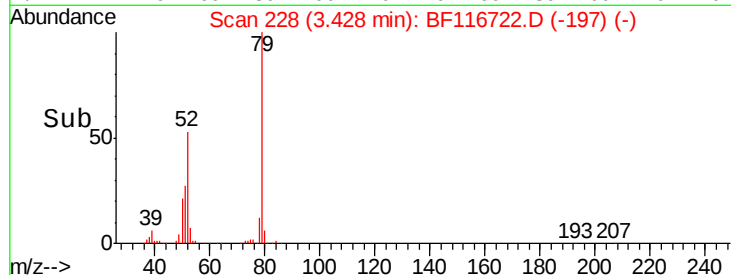
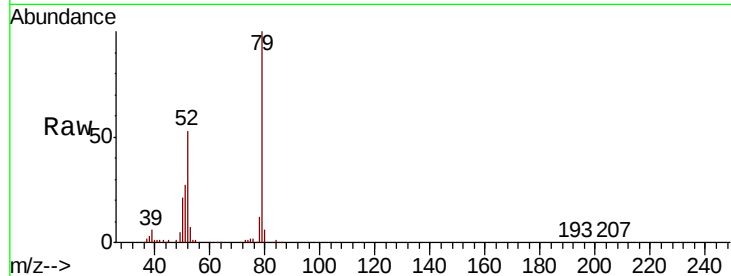
Delta R.T. 0.11 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	88	Resp:	133685
Ion Ratio	Lower	Upper	
88	100		
58	62.0	51.7	77.5
43	0.0	19.8	29.8#





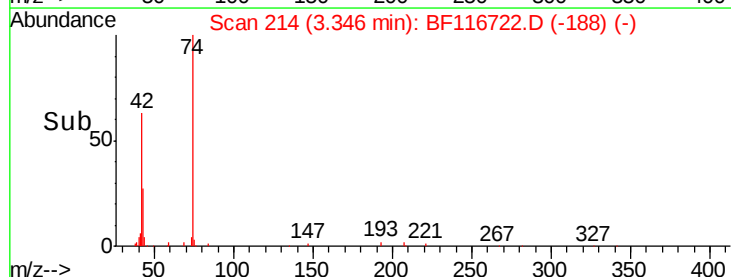
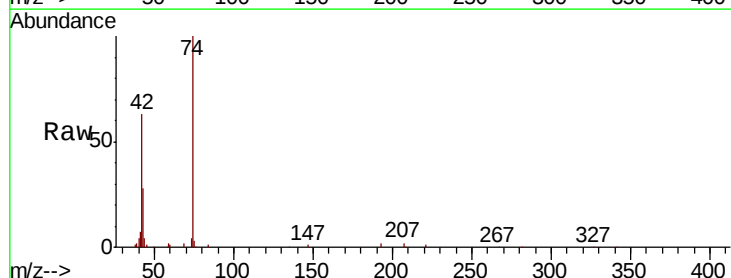
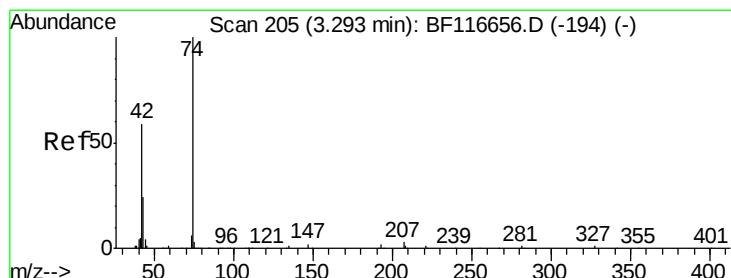
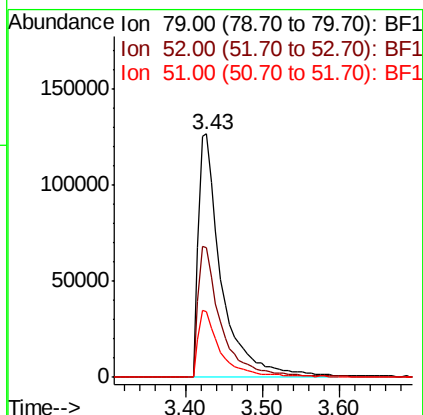
#3
 Pvridine
 Concen: 27.485 ng
 RT: 3.43 min Scan# 228
 Delta R.T. 0.08 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tot Ion:	79	Resp:	264827
Ion Ratio	Lower	Upper	
79	100		
52	53.3	47.4	71.0
51	27.0	24.1	36.1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

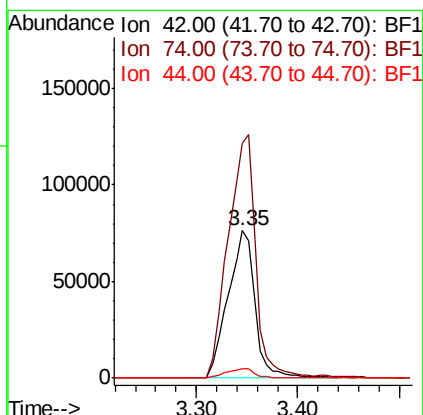
Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM



#4
 n-Nitrosodimethylamine
 Concen: 42.840 ng
 RT: 3.35 min Scan# 214
 Delta R.T. 0.05 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion:	42	Resp:	141743
Ion Ratio	Lower	Upper	
42	100		
74	159.4	115.6	173.4
44	6.4	4.6	7.0





#5

2-Fluorophenol

Concen: 128.758 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

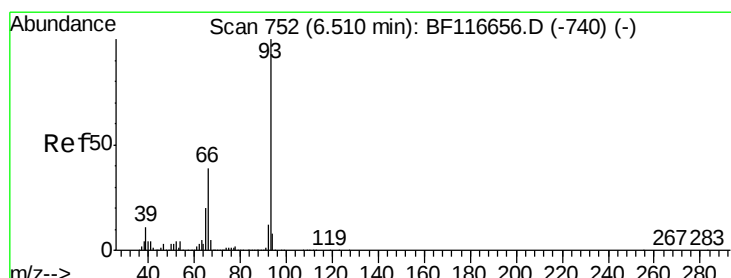
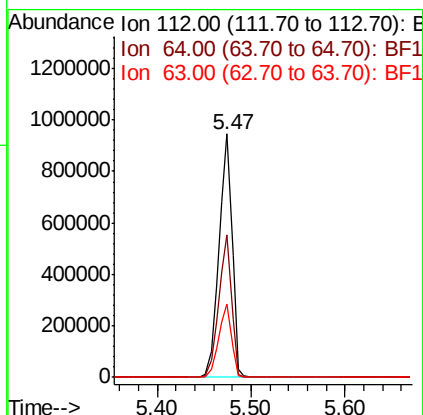
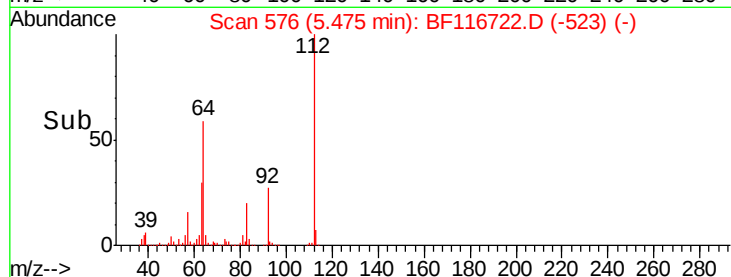
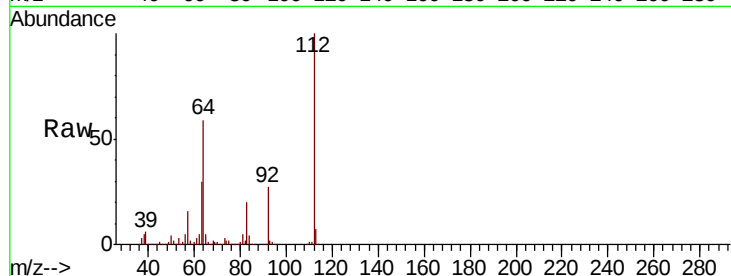
ClientSampleId :

OK-02-082919MS

Tot Ion:	112	Resp:	928208
Ion Ratio	Lower	Upper	
112	100		
64	58.7	47.1	70.7
63	29.9	24.9	37.3

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#6

Aniline

Concen: 20.834 ng

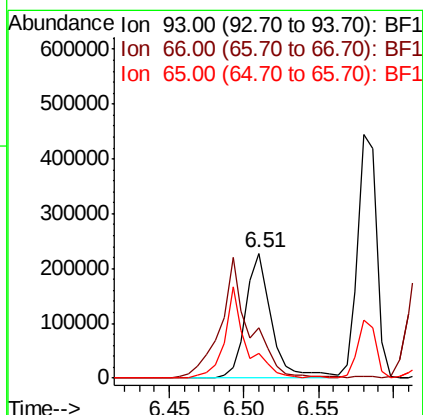
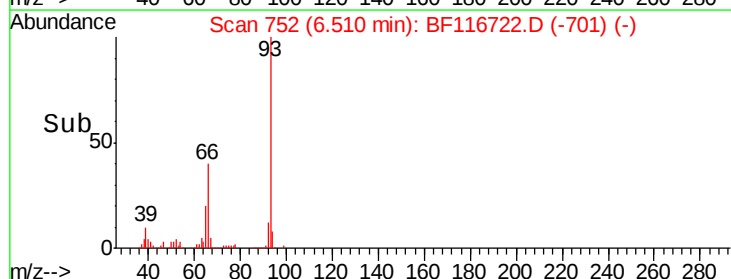
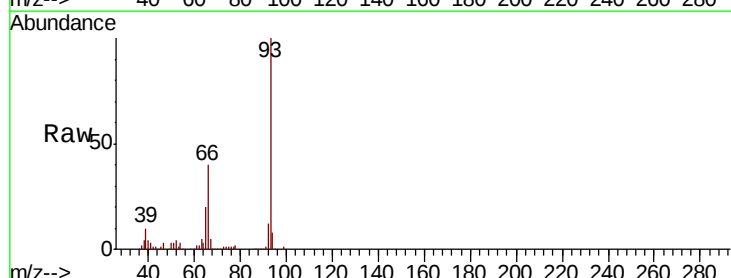
RT: 6.51 min Scan# 752

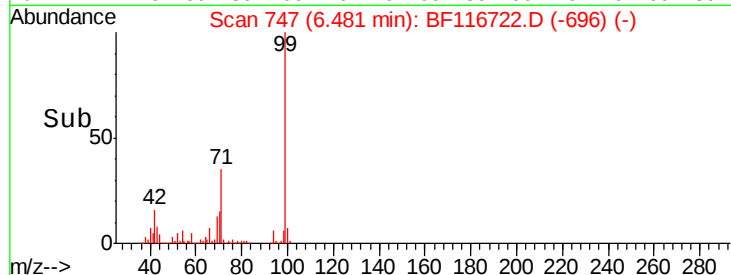
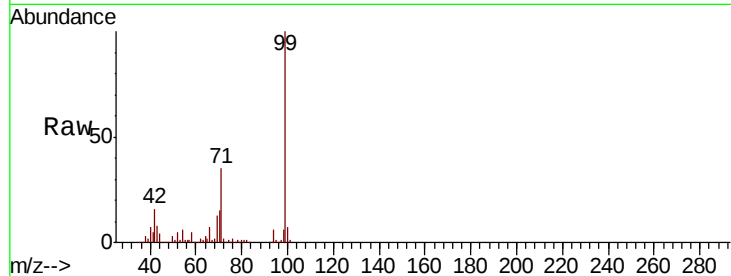
Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	93	Resp:	273156
Ion Ratio	Lower	Upper	
93	100		
66	40.2	32.7	49.1
65	19.5	16.3	24.5





#7

Phenol-d6

Concen: 123.327 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tot Ion: 99 Resp: 1167432

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

71 35.3 30.8 46.2

Instrument :

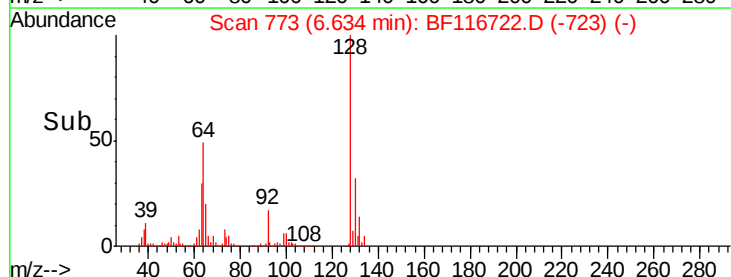
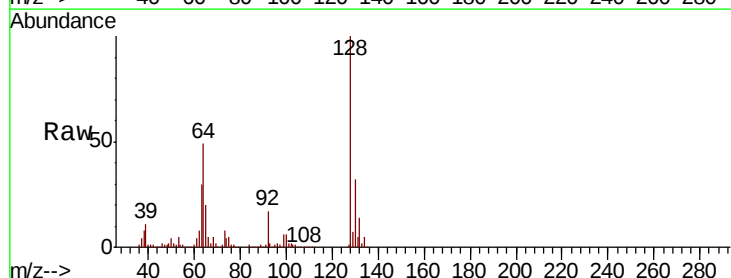
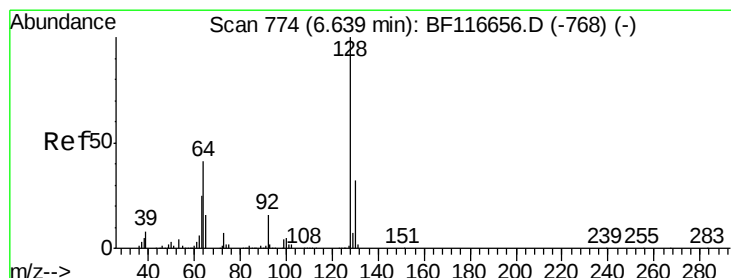
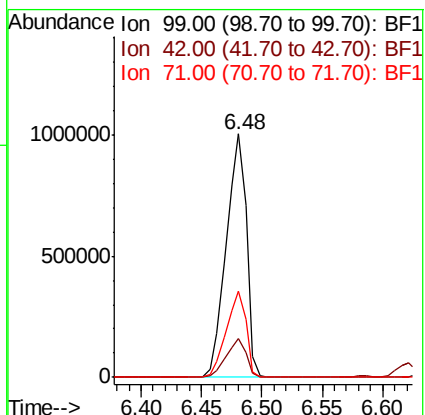
BNA_F

ClientSampleId :

OK-02-082919MS

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#8

2-Chlorophenol

Concen: 48.841 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

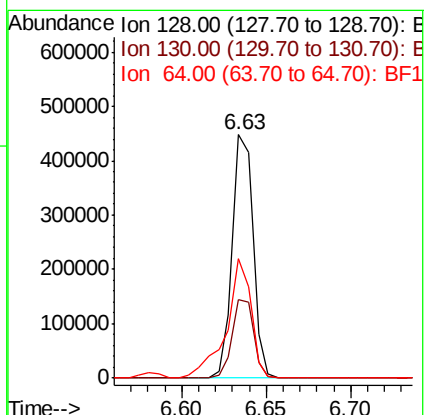
Tgt Ion: 128 Resp: 384360

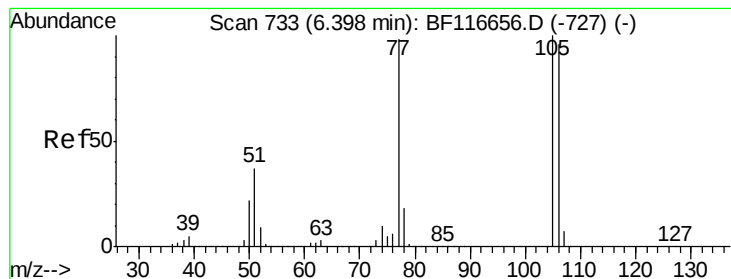
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 48.9 22.5 62.5





#9

Benzaldehyde

Concen: 34.860 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

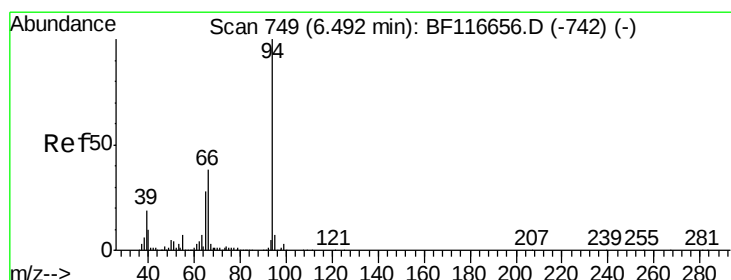
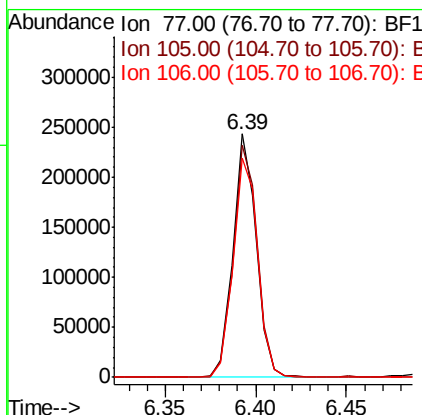
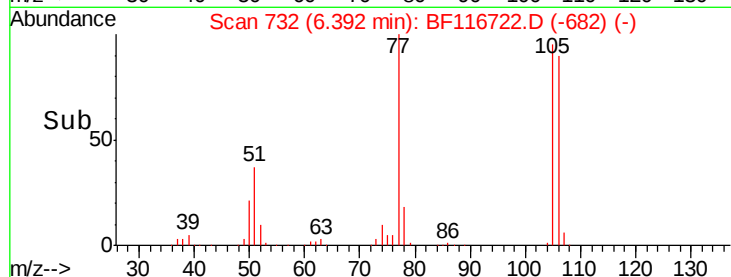
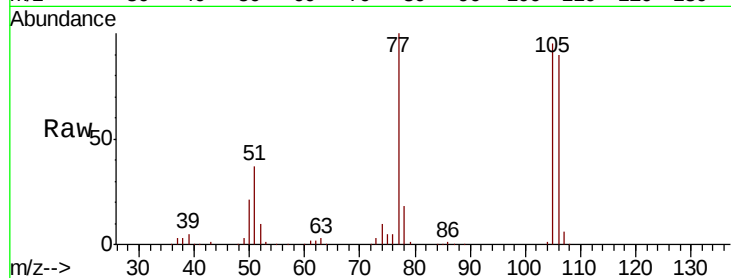
ClientSampleId :

OK-02-082919MS

Tot Ion:	77	Resp:	217403
Ion Ratio	Lower	Upper	
77	100		
105	95.5	76.7	116.7
106	90.3	73.1	113.1

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#10

Phenol

Concen: 41.186 ng

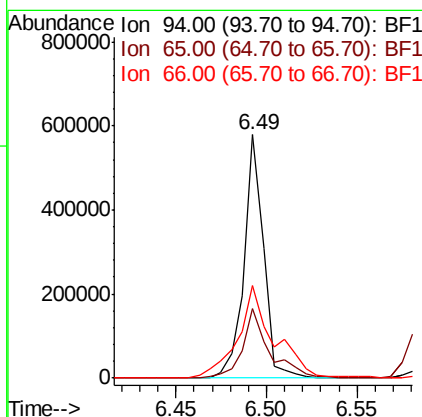
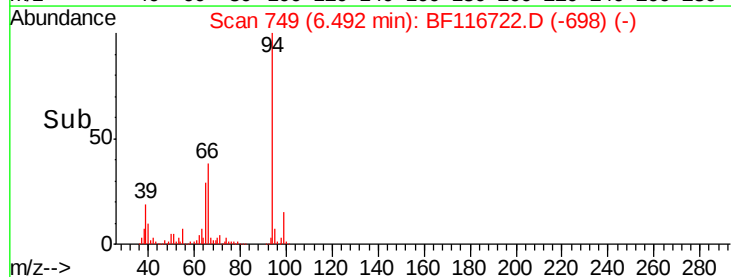
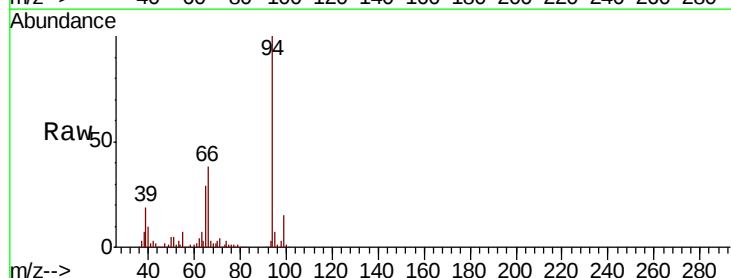
RT: 6.49 min Scan# 749

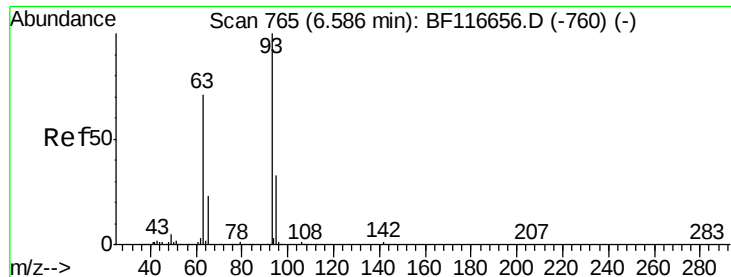
Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	94	Resp:	431719
Ion Ratio	Lower	Upper	
94	100		
65	28.7	10.8	50.8
66	38.2	21.1	61.1





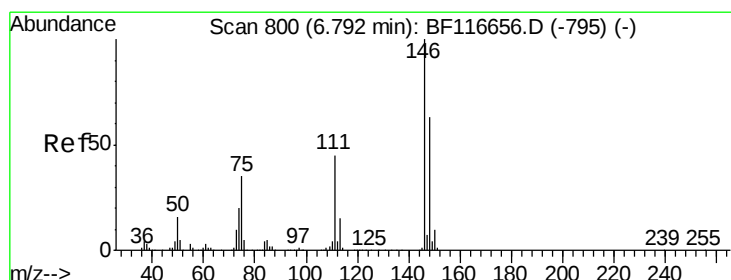
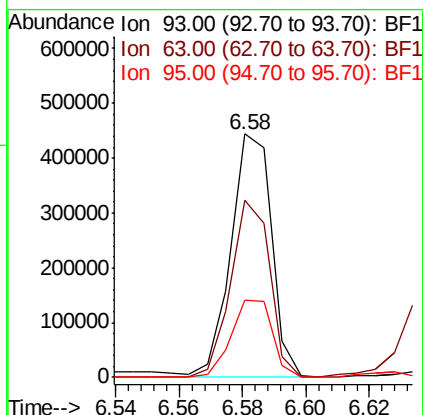
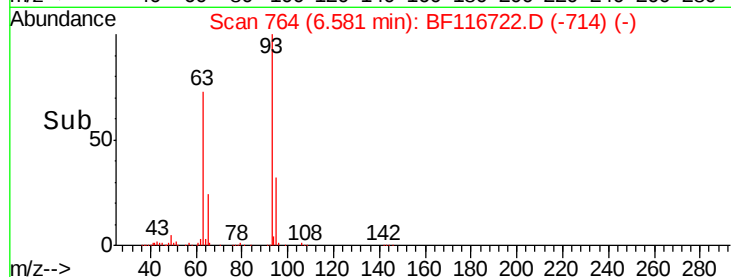
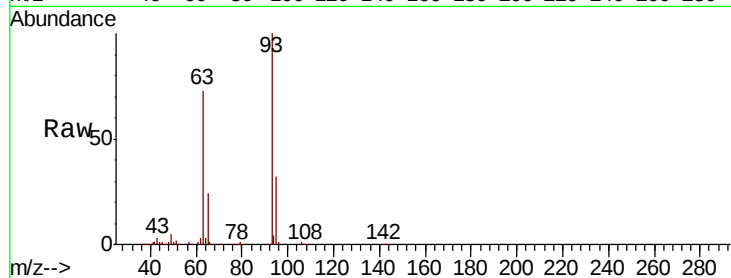
#11
bis(2-Chloroethyl)ether
Concen: 47.773 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion:	93	Resp:	389919
Ion	Ratio	Lower	Upper
93	100		
63	72.5	49.9	89.9
95	31.8	12.7	52.7

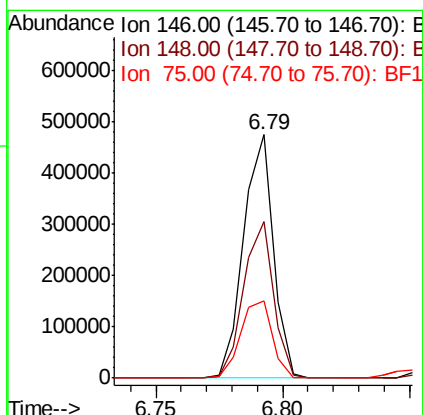
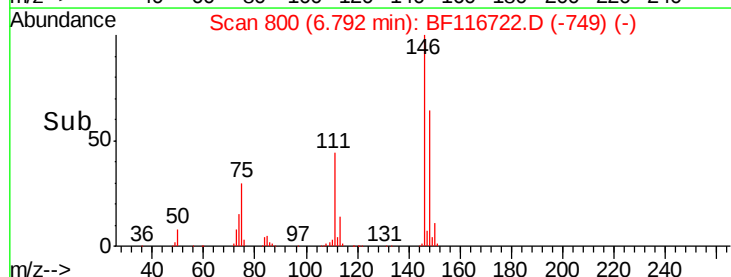
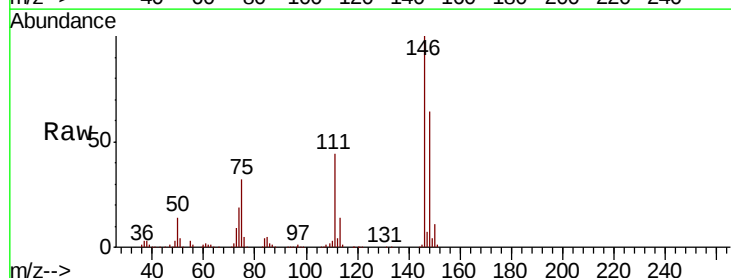
Manual Integrations
APPROVED

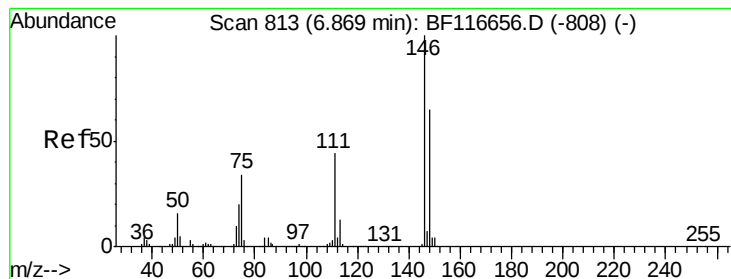
mohammad
9/5/2019 9:23:50 AM



#12
1,3-Dichlorobenzene
Concen: 43.659 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion:	146	Resp:	388311
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	31.8	29.6	44.4





#13

1,4-Dichlorobenzene

Concen: 45.167 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

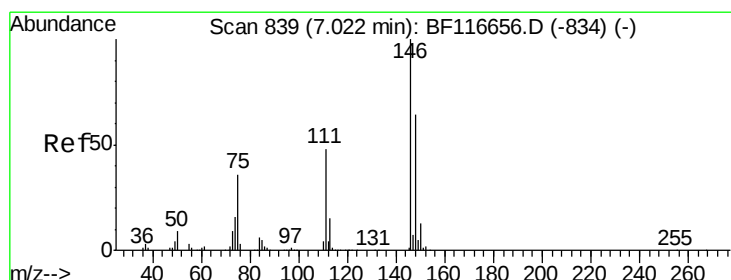
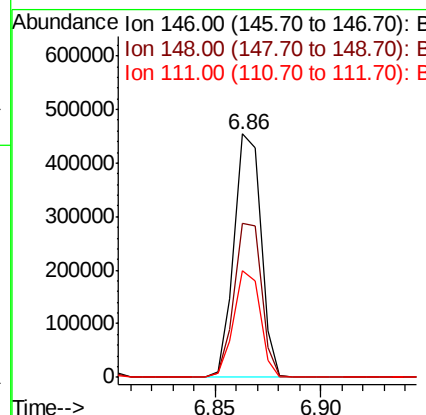
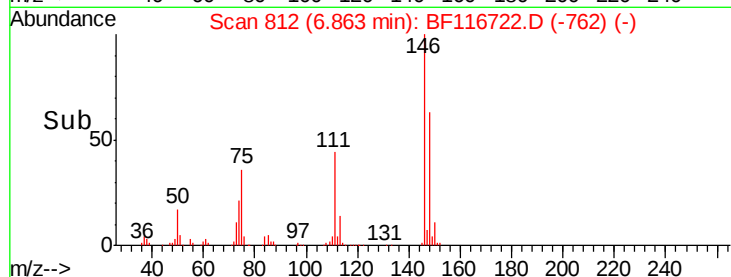
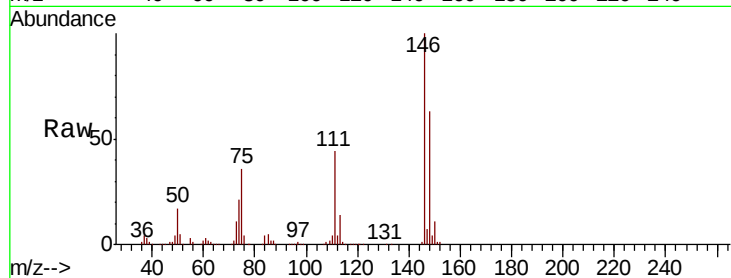
ClientSampleId :

OK-02-082919MS

Tot Ion:	146	Resp:	399952
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.4	77.2
111	43.8	34.8	52.2

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#14

1,2-Dichlorobenzene

Concen: 45.607 ng

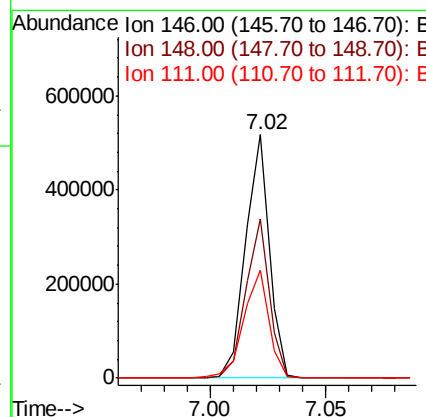
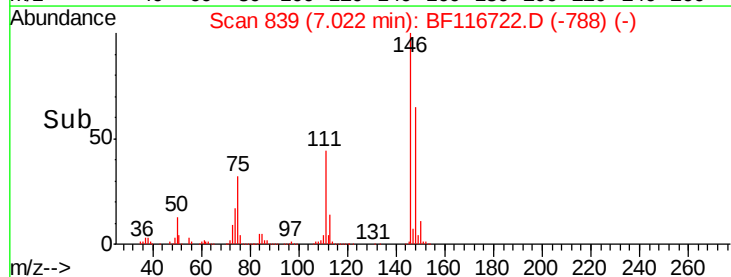
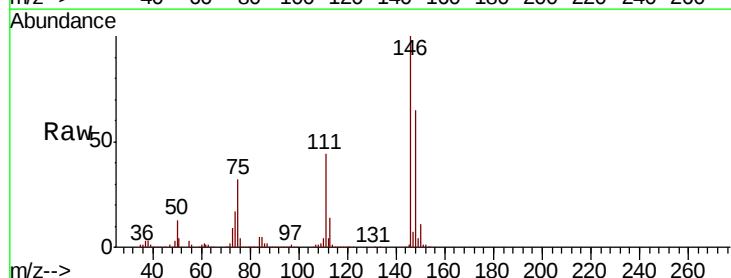
RT: 7.02 min Scan# 839

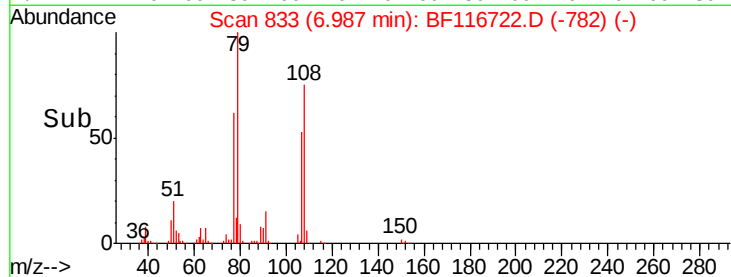
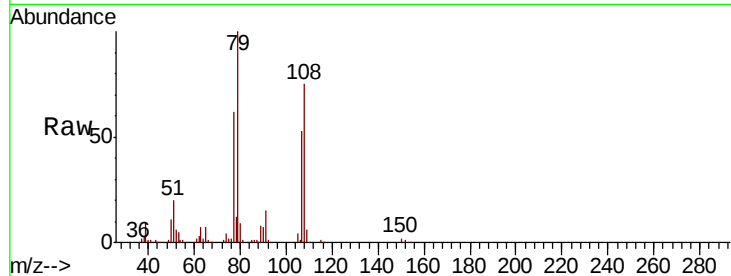
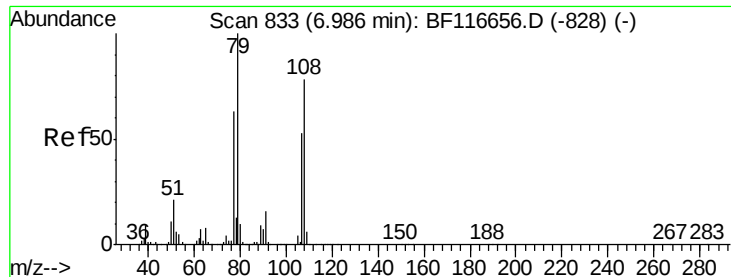
Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	146	Resp:	374252
Ion Ratio	Lower	Upper	
146	100		
148	65.2	52.6	78.8
111	44.5	34.2	51.4





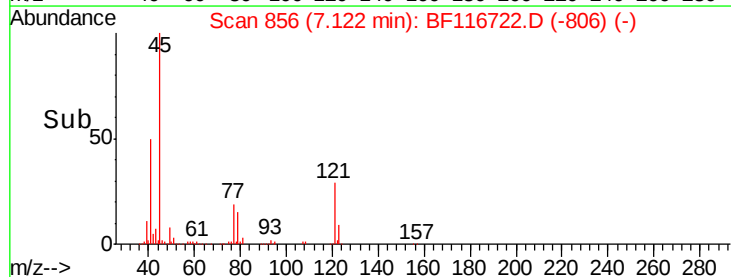
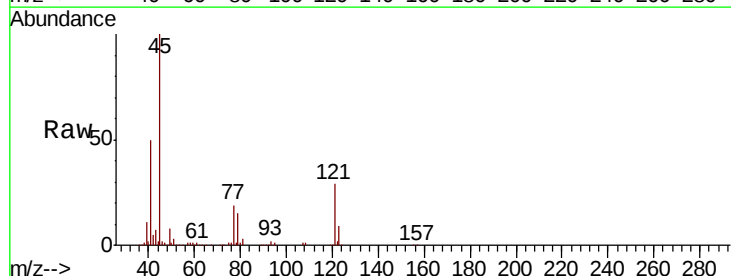
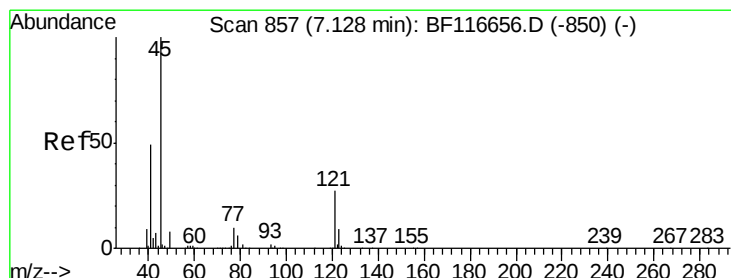
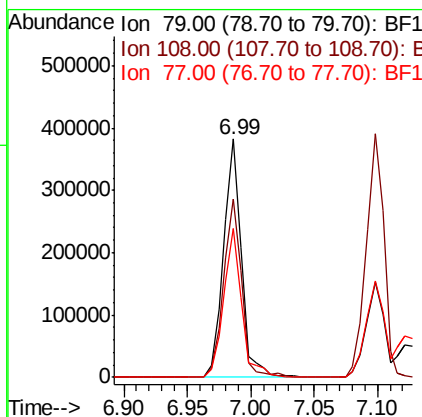
#15
Benzyl Alcohol
Concen: 48.785 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	75.0	59.2	88.8	
77	62.4	53.0	79.4	

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

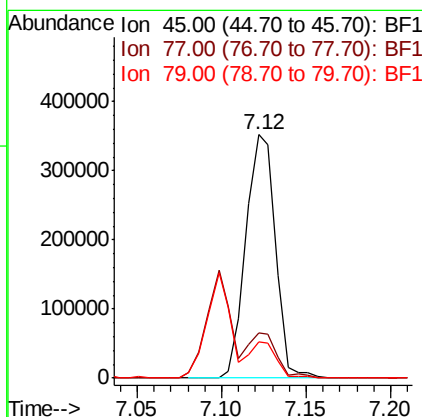
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.081 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	18.6	0.0	38.2	
79	14.7	0.0	33.9	





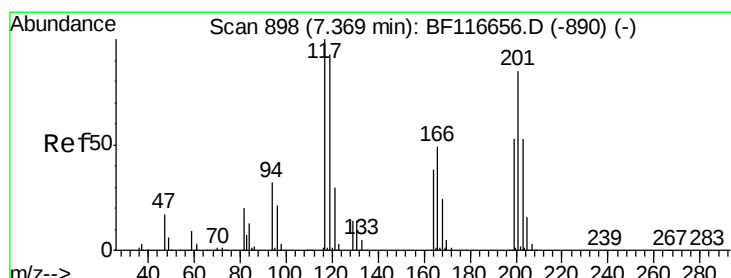
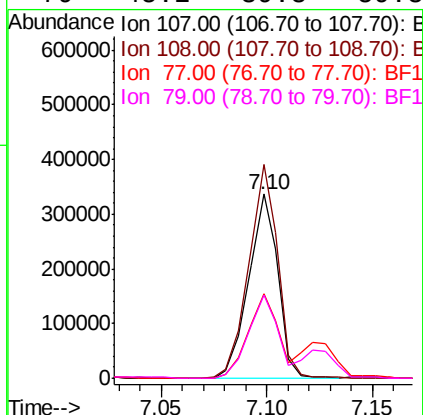
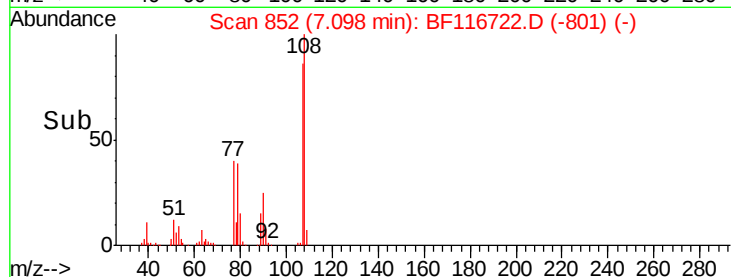
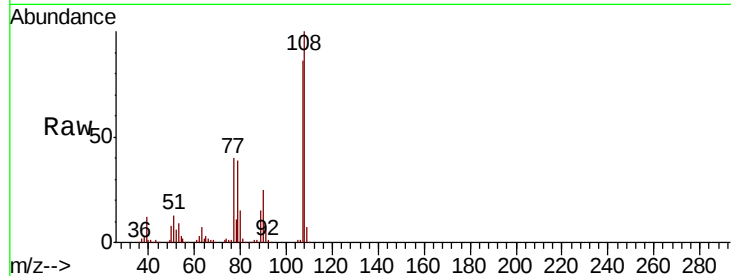
#17
2-Methylphenol
Concen: 46.840 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.0	88.3	132.5	
77	46.2	39.9	59.9	
79	45.2	39.8	59.8	

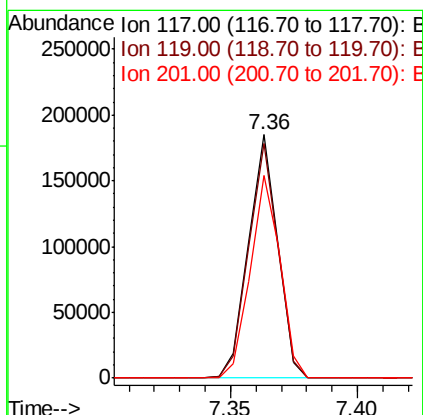
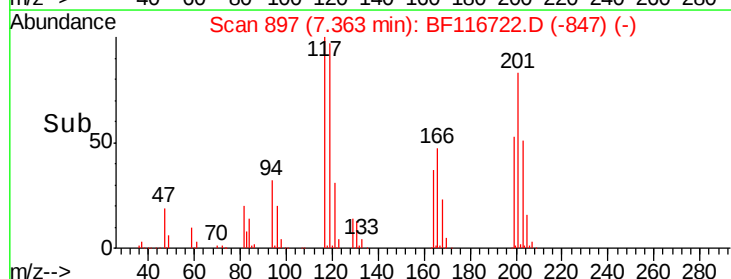
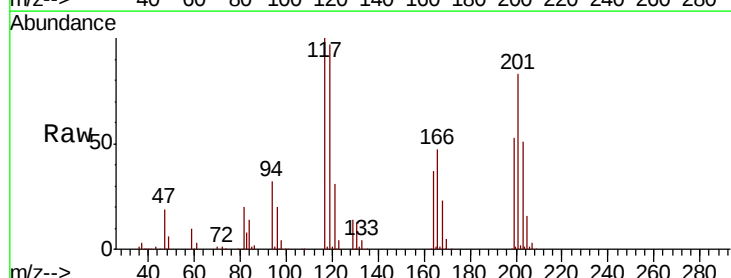
Manual Integrations
APPROVED

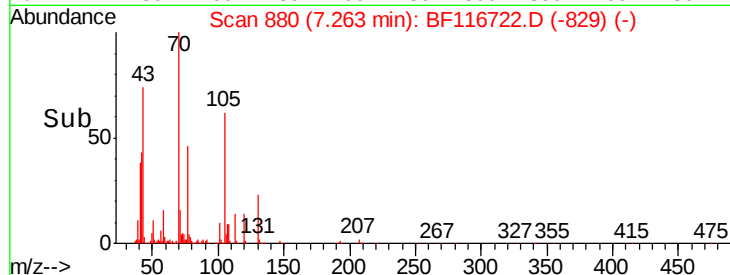
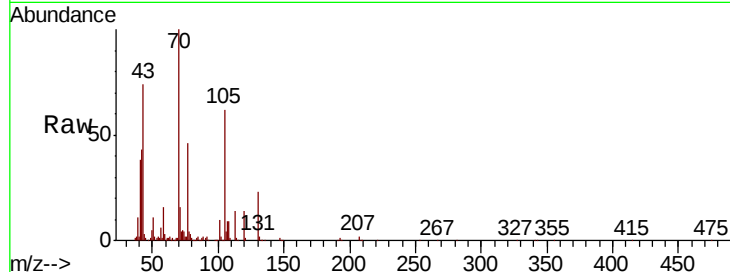
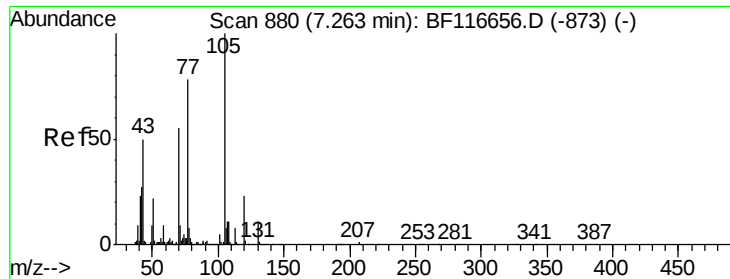
mohammad
9/5/2019 9:23:50 AM



#18
Hexachloroethane
Concen: 43.362 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	76.9	115.3	
201	83.2	79.4	119.0	





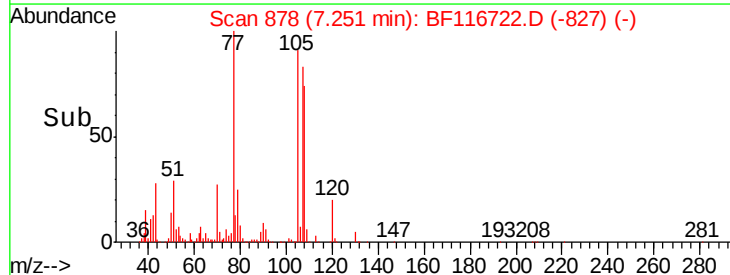
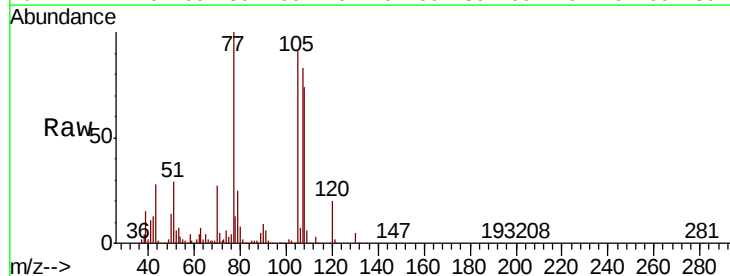
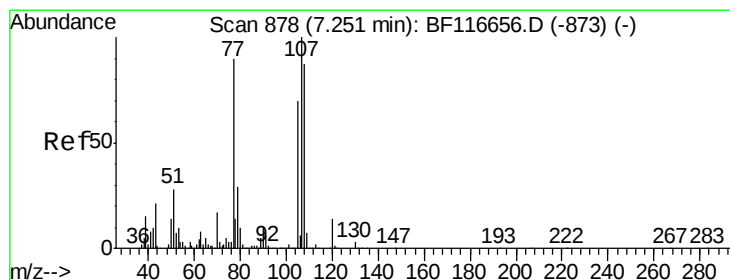
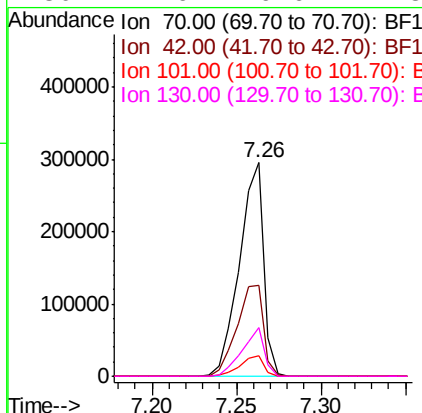
#19
n-Nitroso-di-n-propylamine
Concen: 47.319 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
70	100			
42	42.8	43.5	65.3#	
101	9.8	7.8	11.6	
130	22.6	16.6	24.8	

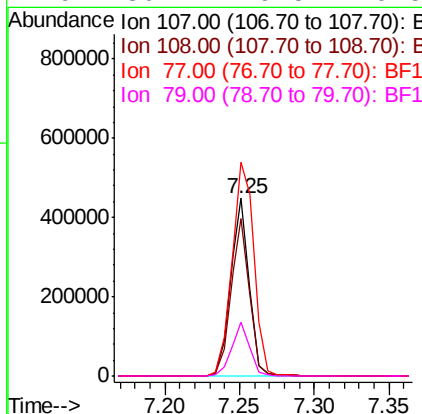
Manual Integrations
APPROVED

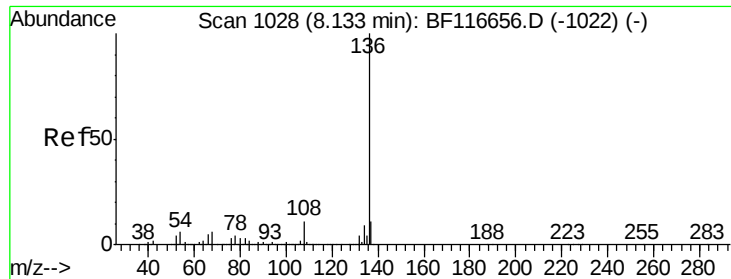
mohammad
9/5/2019 9:23:50 AM



#20
3+4-Methylphenols
Concen: 48.874 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	89.0	65.5	105.5	
77	120.3	69.4	109.4#	
79	30.2	9.5	49.5	





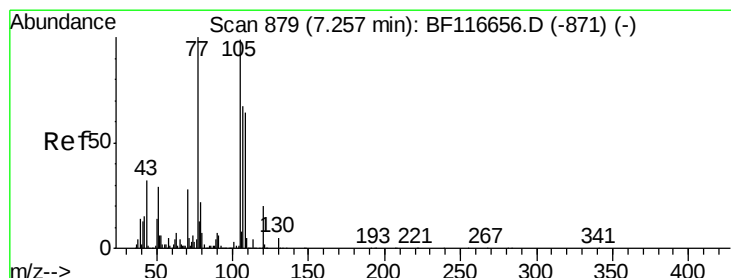
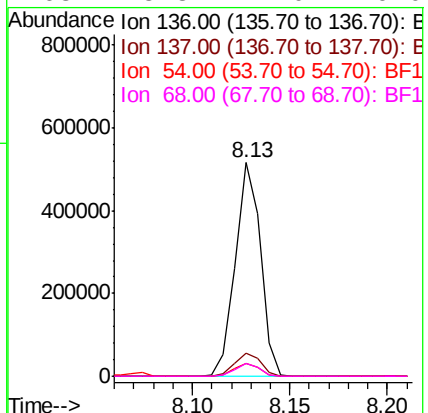
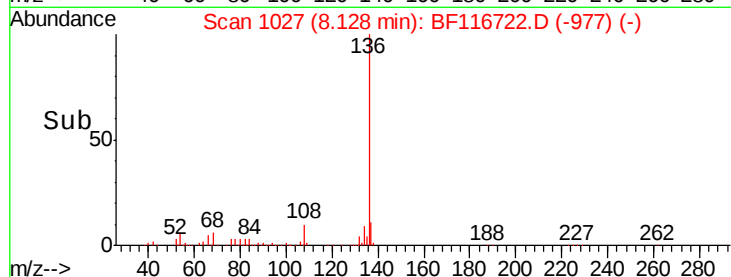
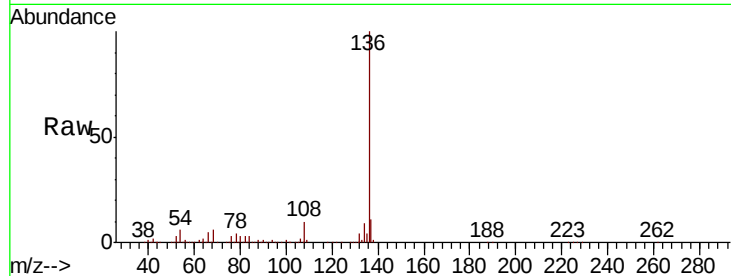
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9		8.9	13.3	
54	6.2		4.8	7.2	
68	5.8		4.0	6.0	

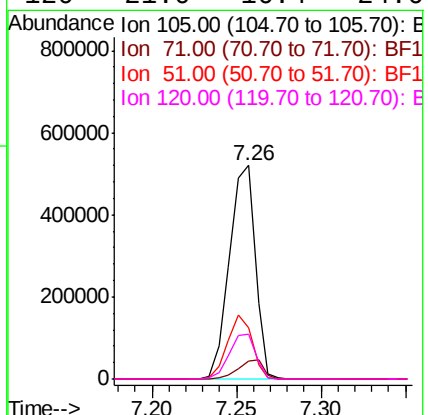
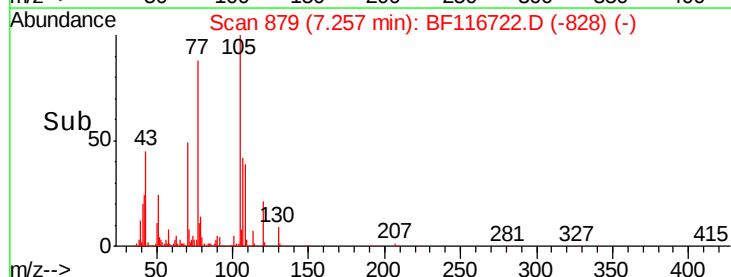
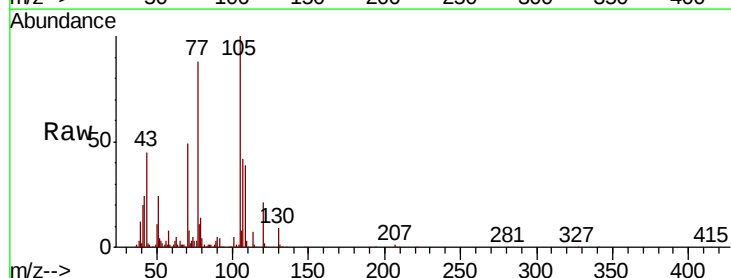
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#22
Acetophenone
Concen: 49.830 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	8.2		4.2	6.4#	
51	24.0		25.8	38.8#	
120	21.0		16.4	24.6	





#23

Nitrobenzene-d5

Concen: 106.765 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

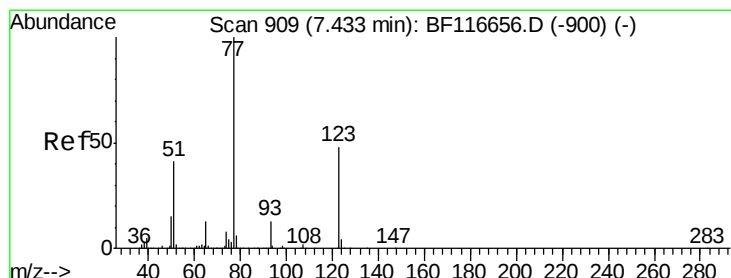
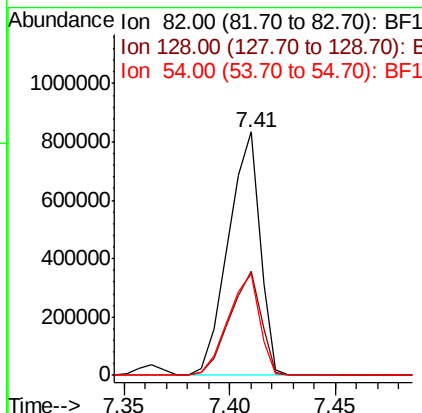
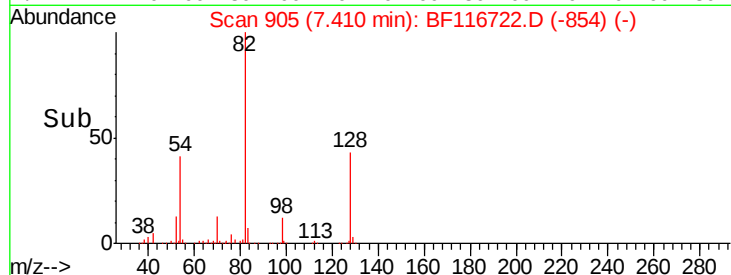
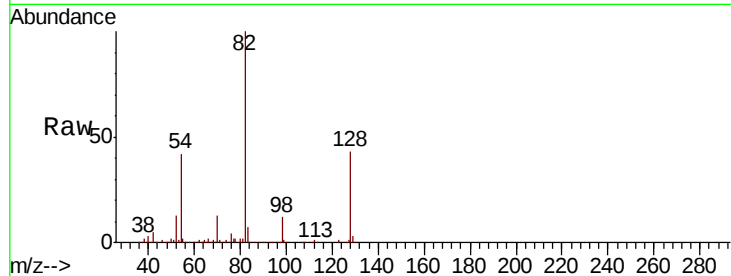
ClientSampleId :

OK-02-082919MS

Tot Ion:	82	Resp:	865813
Ion Ratio	Lower	Upper	
82	100		
128	42.6	32.8	49.2
54	41.5	36.9	55.3

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#24

Nitrobenzene

Concen: 53.470 ng

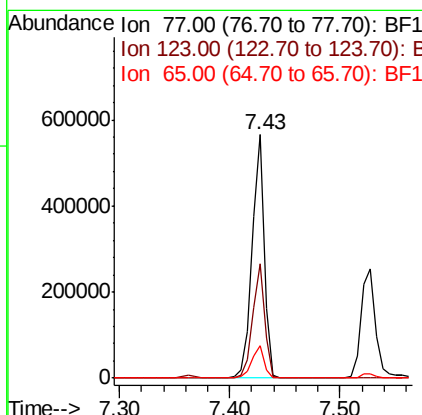
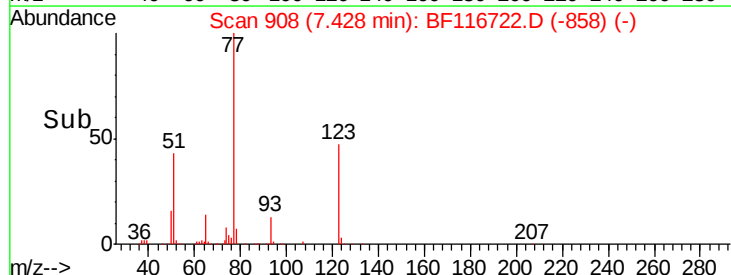
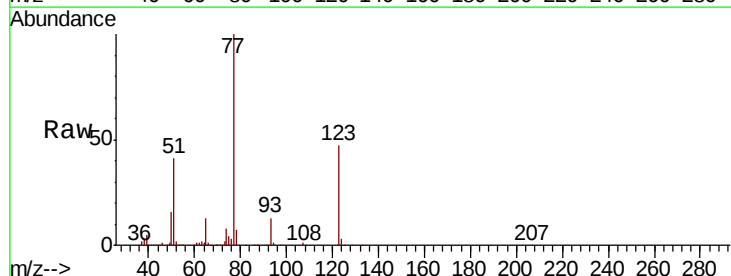
RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	77	Resp:	441004
Ion Ratio	Lower	Upper	
77	100		
123	47.2	33.1	49.7
65	13.1	10.6	15.8





#25

Isophorone

Concen: 50.276 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

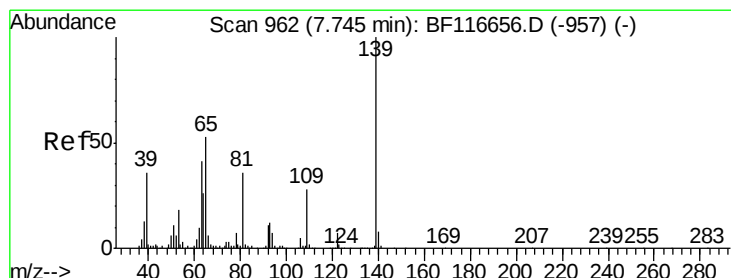
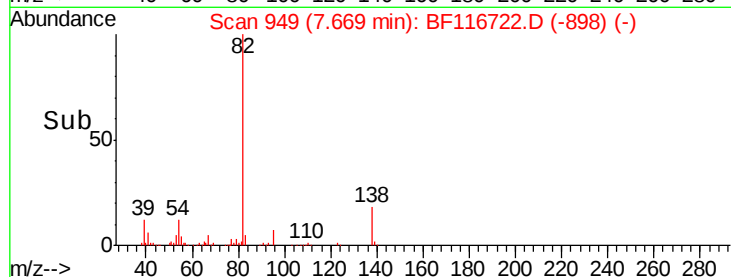
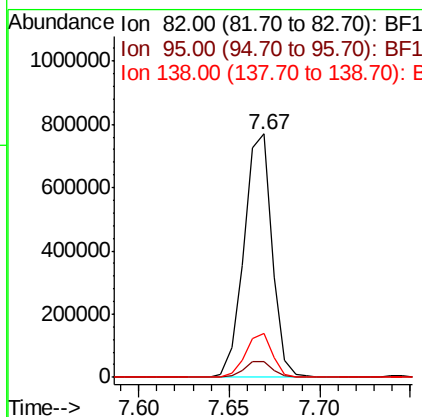
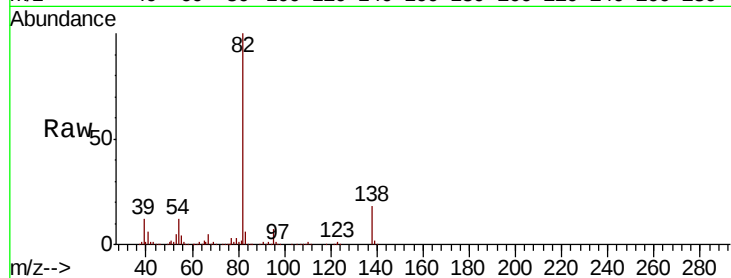
ClientSampleId :

OK-02-082919MS

Tot Ion:	82	Resp:	826164
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.8	8.6
138	17.9	13.5	20.3

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#26

2-Nitrophenol

Concen: 62.566 ng

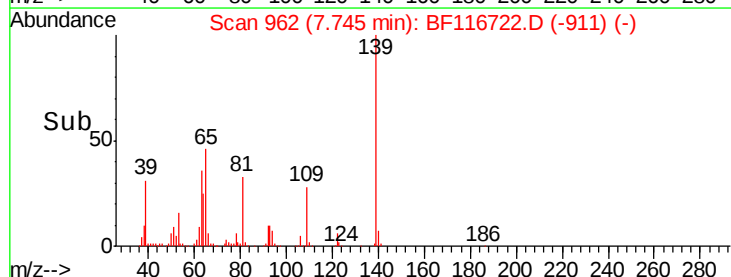
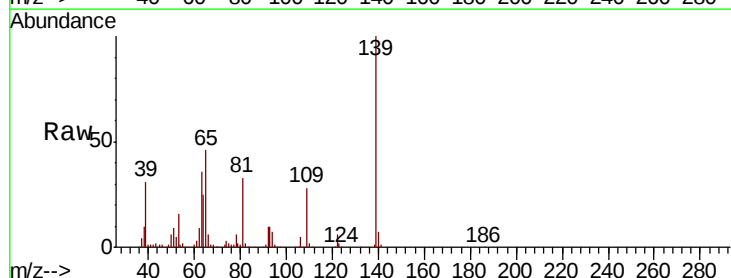
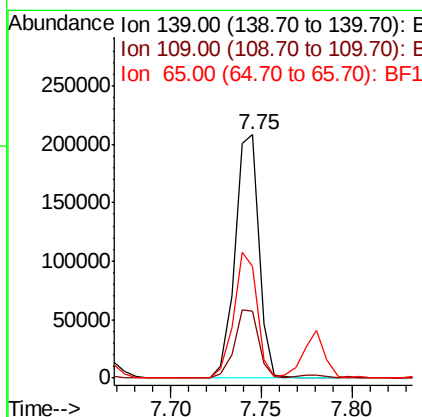
RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	139	Resp:	191849
Ion Ratio	Lower	Upper	
139	100		
109	27.6	27.1	40.7
65	46.2	43.0	64.6





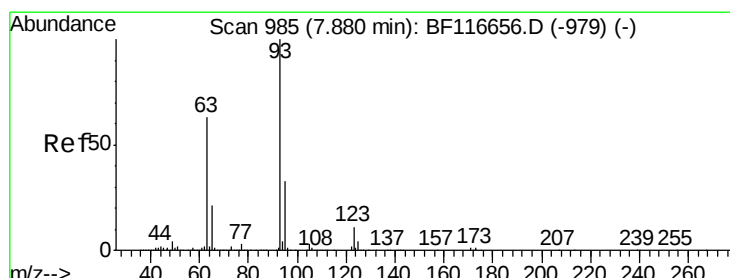
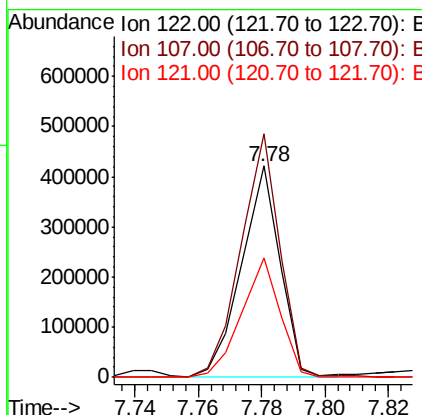
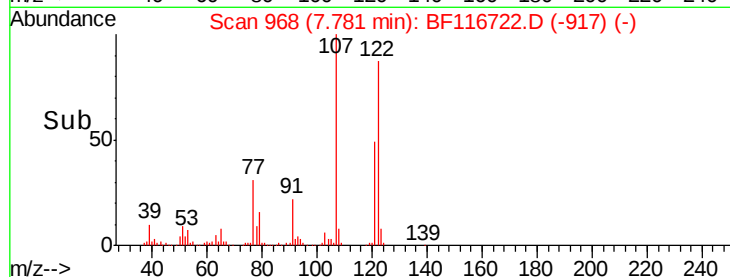
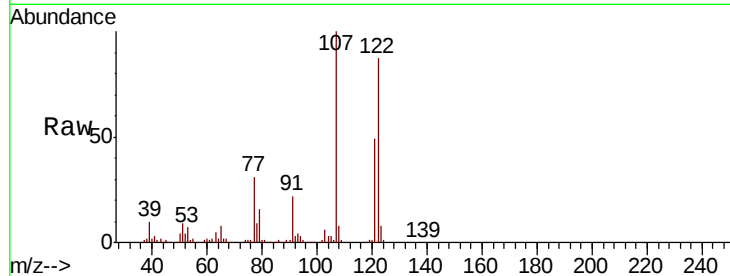
#27
2,4-Dimethylphenol
Concen: 57.772 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	115.3	98.1	147.1	
121	56.9	47.3	70.9	

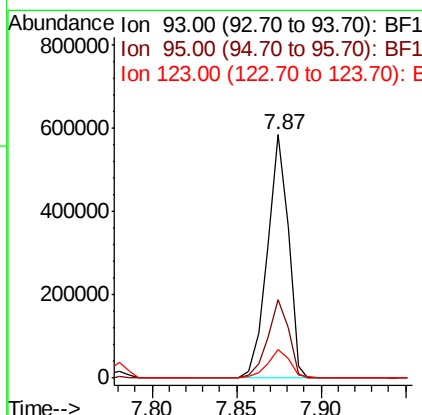
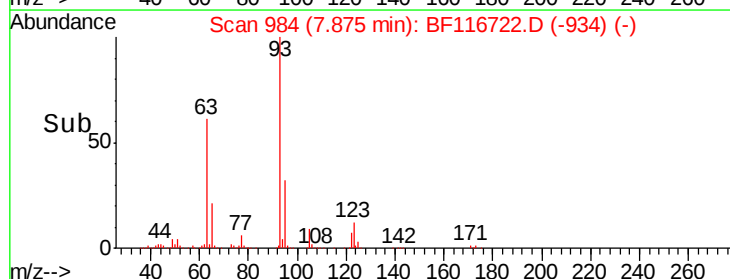
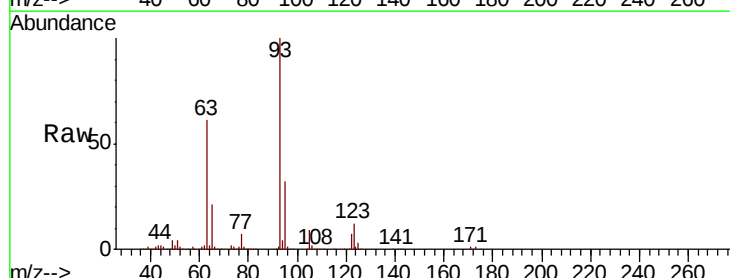
Manual Integrations
APPROVED

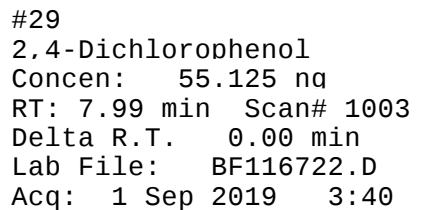
mohammad
9/5/2019 9:23:50 AM



#28
bis(2-Chloroethoxy)methane
Concen: 50.164 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.2	26.4	39.6	
123	11.9	9.8	14.8	



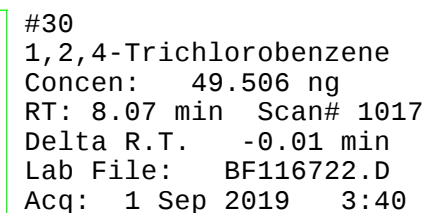
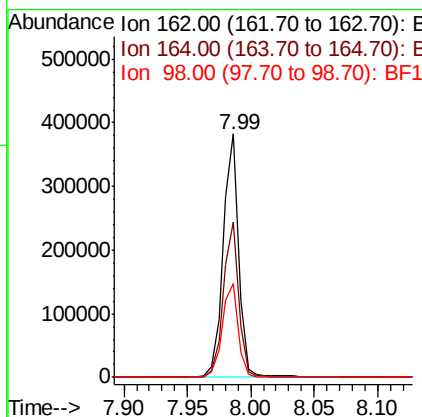


Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

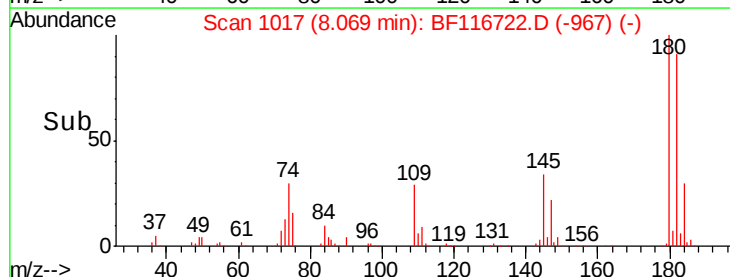
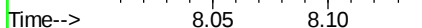
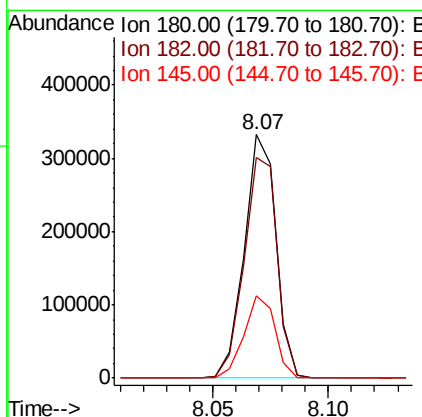
Manual Integrations
APPROVED

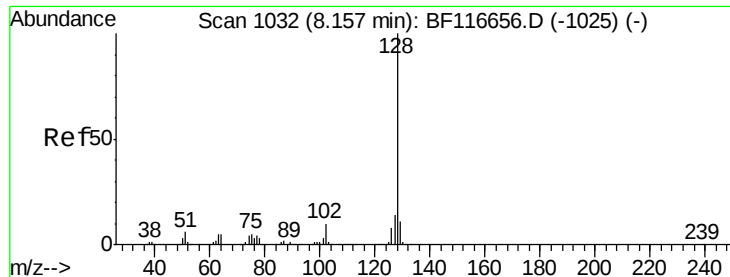
mohammad
9/5/2019 9:23:50 AM

Tot	Ion:162	Resp:	328073
Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.4	83.4
98	38.8	18.1	58.1



Tgt	Ion:180	Resp:	319570
Ion	Ratio	Lower	Upper
180	100		
182	90.7	78.6	118.0
145	33.6	25.7	38.5





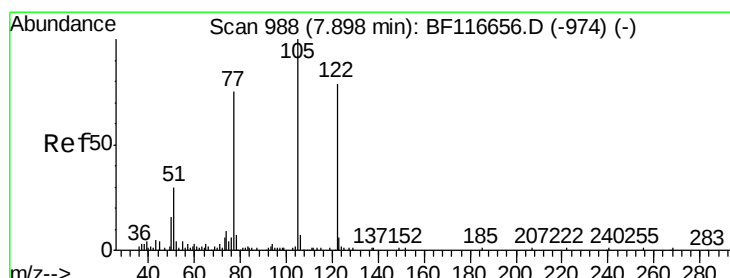
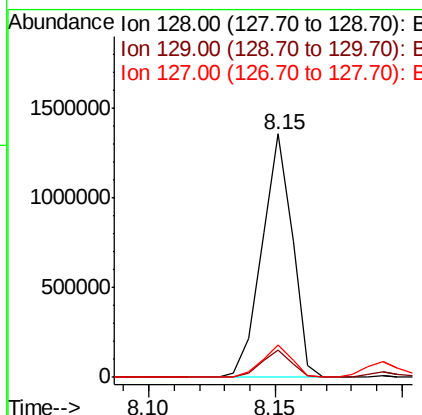
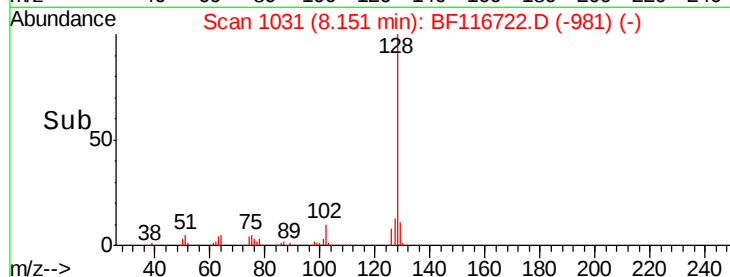
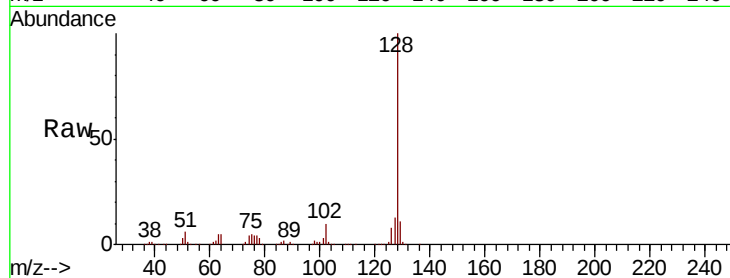
#31
Naphthalene
Concen: 51.744 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.3	10.4	15.6

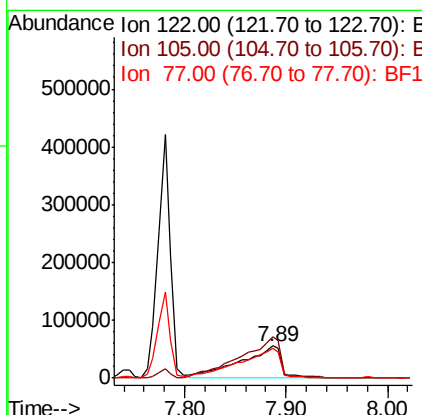
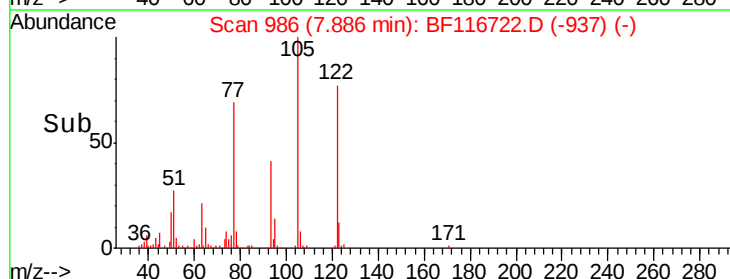
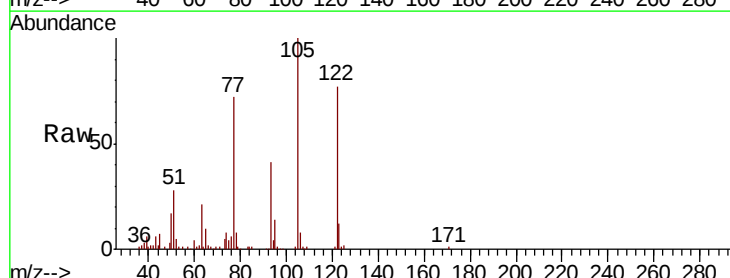
Manual Integrations
APPROVED

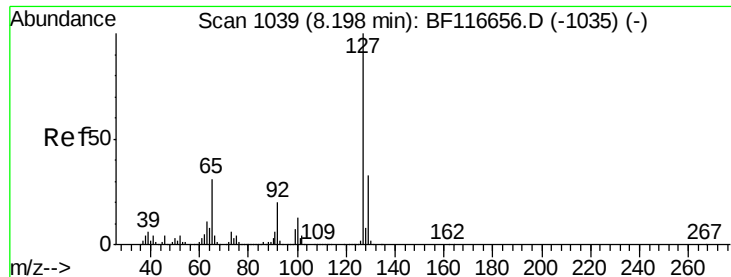
mohammad
9/5/2019 9:23:50 AM



#32
Benzoic acid
Concen: 43.773 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	130.4	110.0	150.0
77	94.4	81.7	121.7





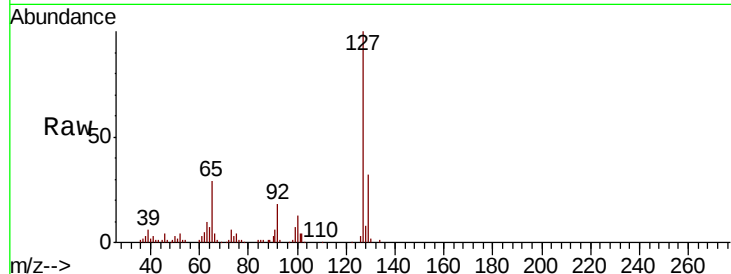
#33
 4-Chloroaniline
 Concen: 10.884 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

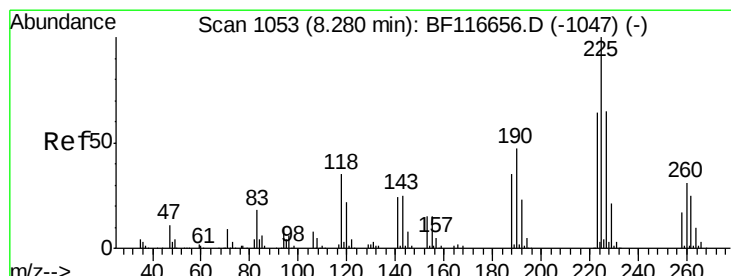
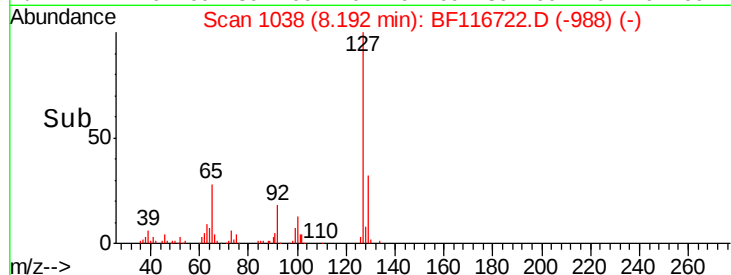
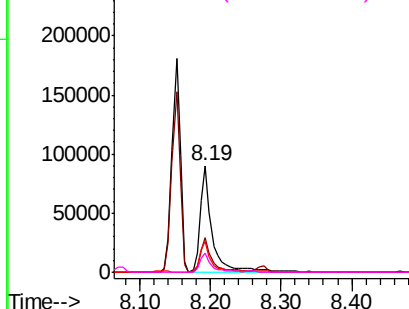
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.2	39.2		
65	29.0	26.0	39.0		
92	18.3	16.1	24.1		

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM

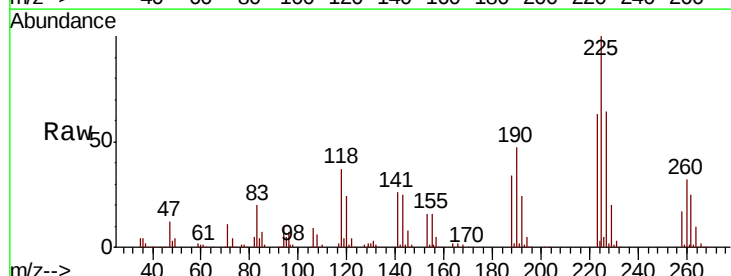


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

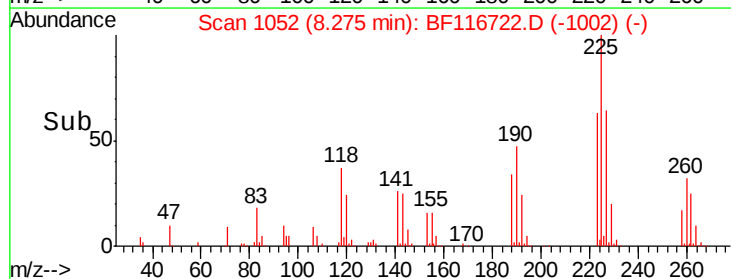
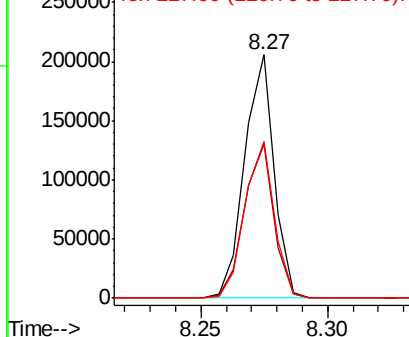


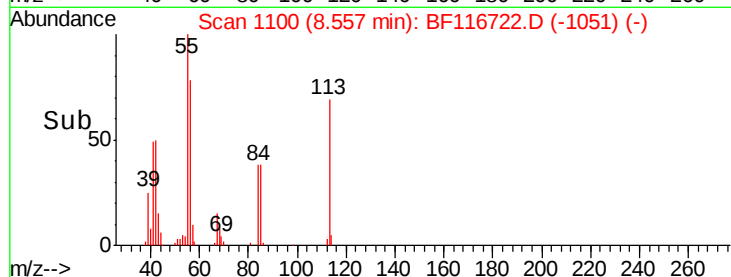
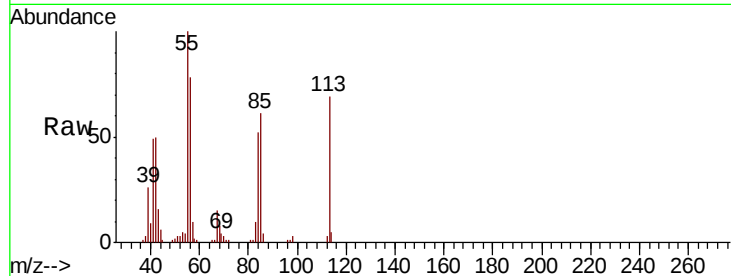
#34
 Hexachlorobutadiene
 Concen: 47.153 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	49.4	74.2		
227	64.1	51.0	76.4		



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 42.573 ng m

RT: 8.56 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tot Ion:113	Resp:	94821
Ion Ratio	Lower	Upper
113	100	
55	144.2	124.3 164.3
56	112.9	94.6 134.6

Instrument :

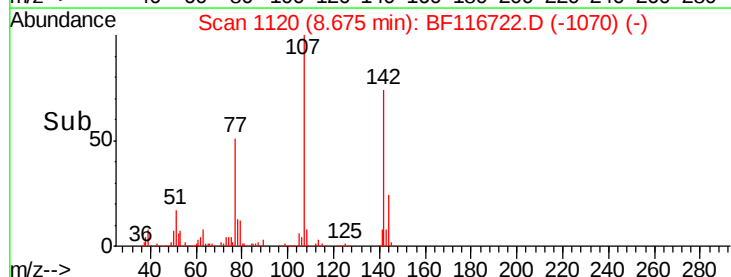
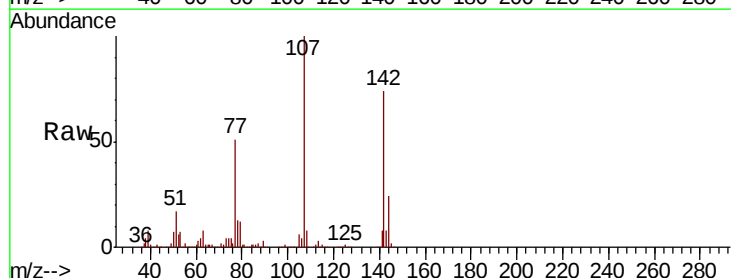
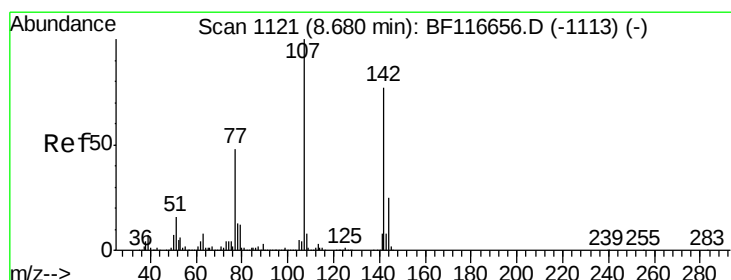
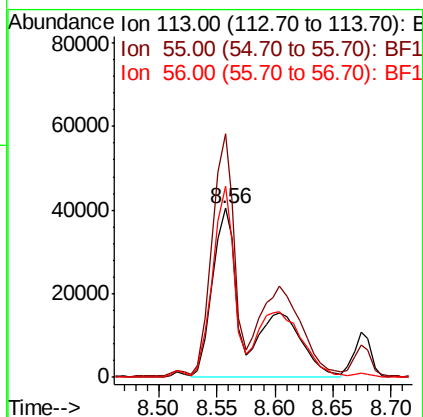
BNA_F

ClientSampleId :

OK-02-082919MS

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#36

4-Chloro-3-methylphenol

Concen: 56.030 ng

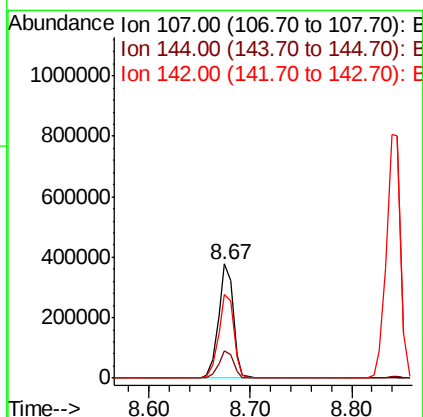
RT: 8.67 min Scan# 1120

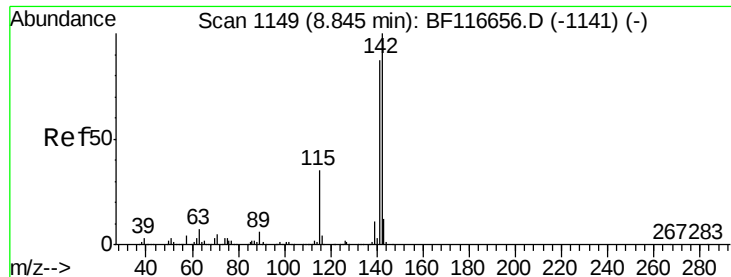
Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:107	Resp:	383254
Ion Ratio	Lower	Upper
107	100	
144	23.7	18.6 27.8
142	73.7	58.5 87.7





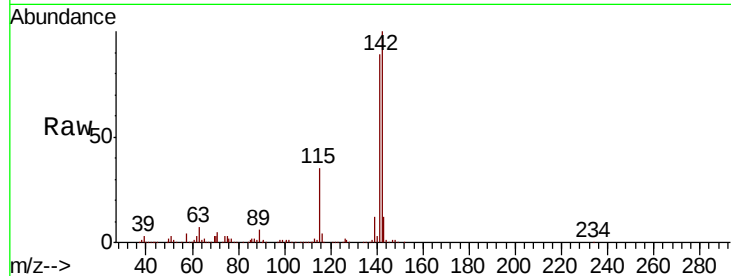
#37
2-Methylnaphthalene
Concen: 53.964 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.6	109.0
115	35.4	29.8	44.6

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM

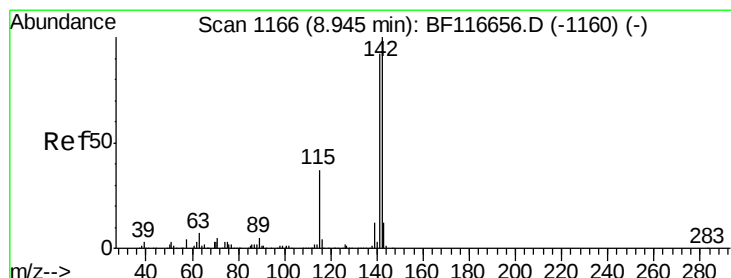
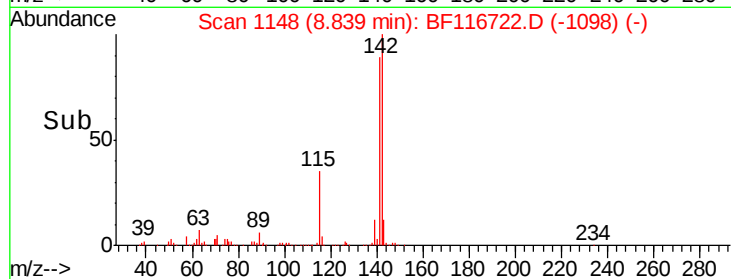
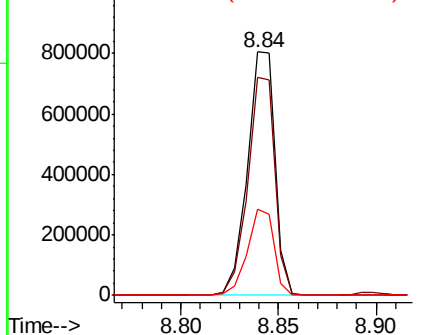


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 53.274 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

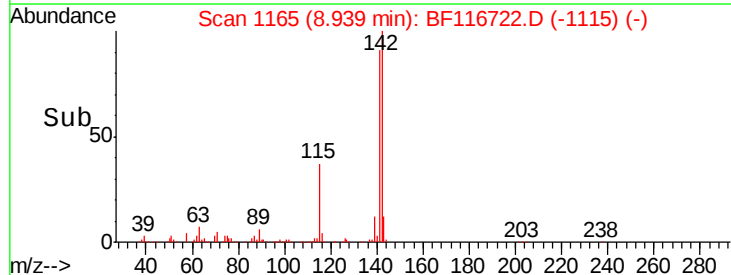
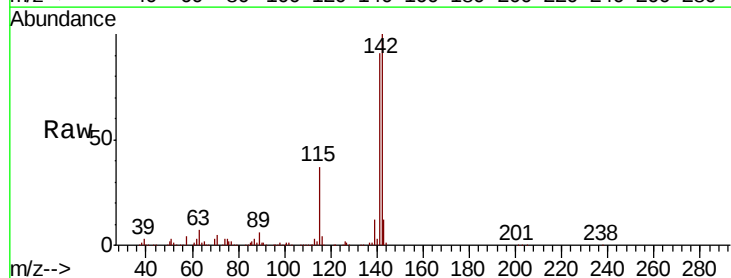
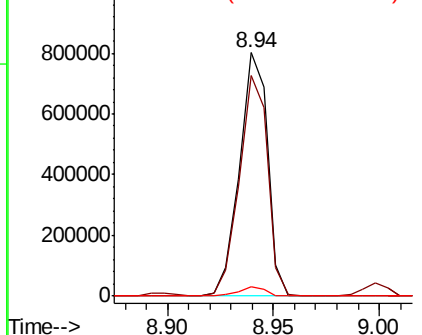
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.9	110.9
116	3.9	3.0	4.6

Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





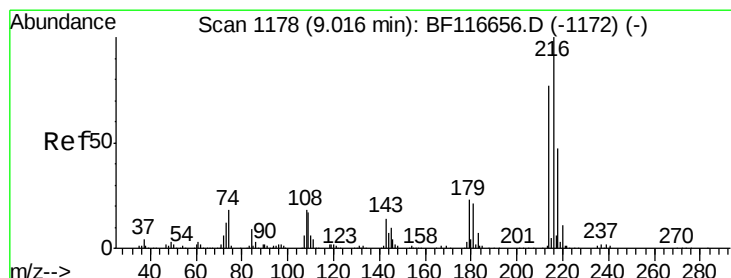
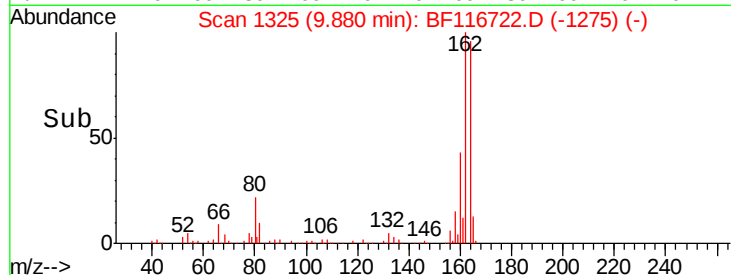
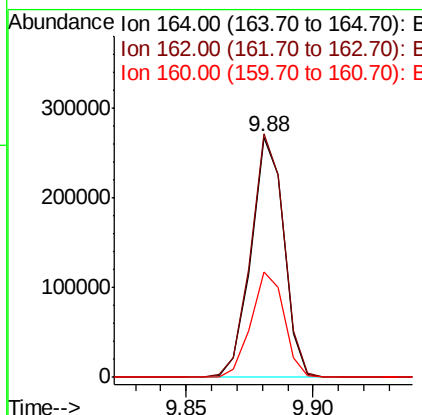
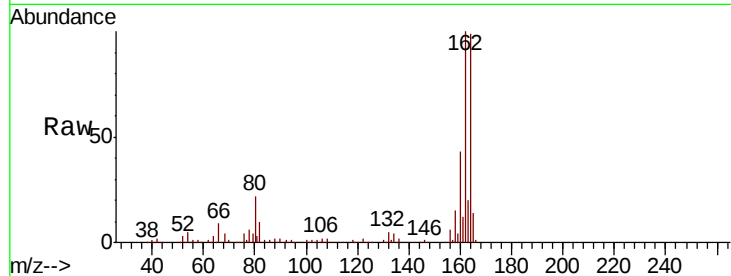
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	241784		
162	101.5	81.4	122.0	
160	43.9	35.4	53.2	

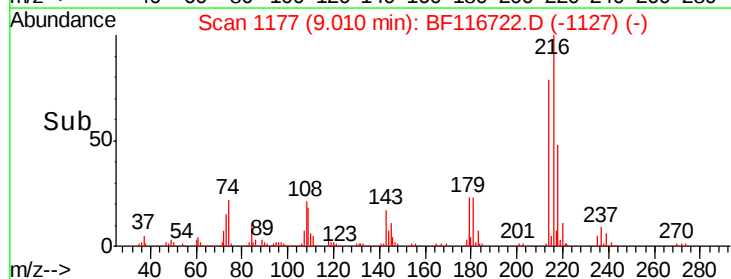
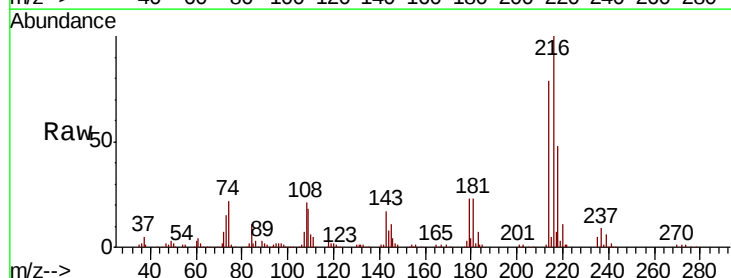
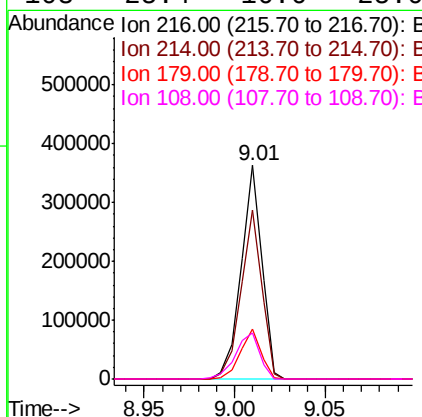
Manual Integrations
APPROVED

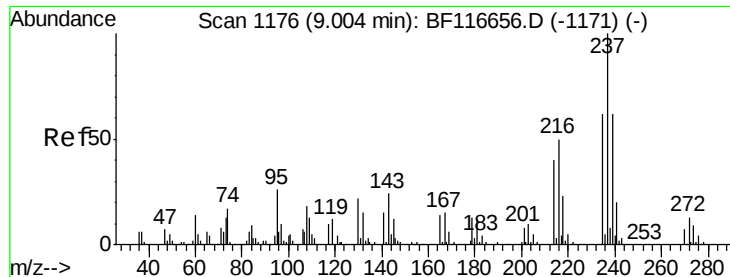
mohammad
9/5/2019 9:23:50 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.773 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	288485		
214	79.4	62.7	94.1	
179	23.2	19.3	28.9	
108	25.4	16.6	25.0	#





#41

Hexachlorocyclopentadiene

Concen: 68.702 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

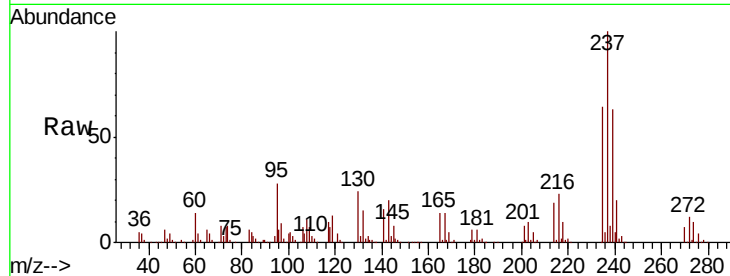
ClientSampleId :

OK-02-082919MS

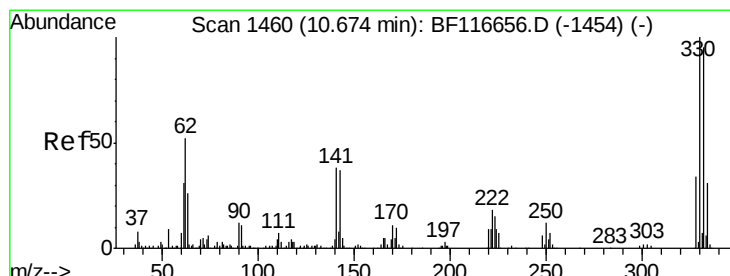
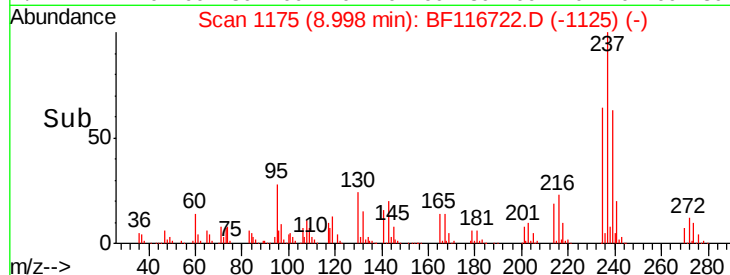
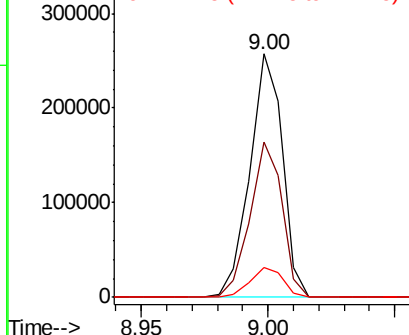
Tot Ion:	237	Resp:	229946
Ion Ratio	Lower	Upper	
237	100		
235	63.6	41.4	81.4
272	12.3	0.0	32.8

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 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: 170.902 ng

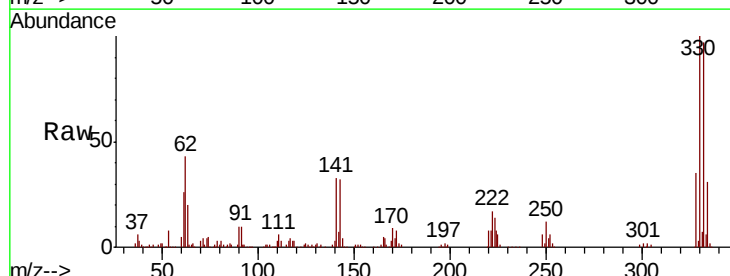
RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

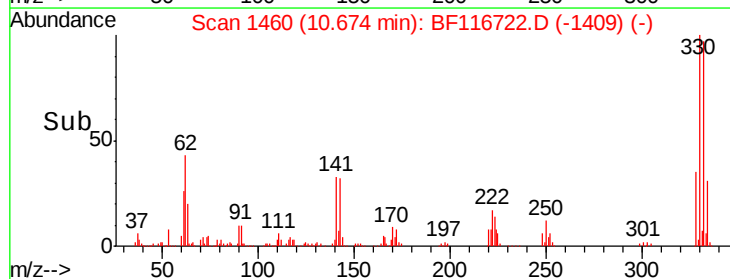
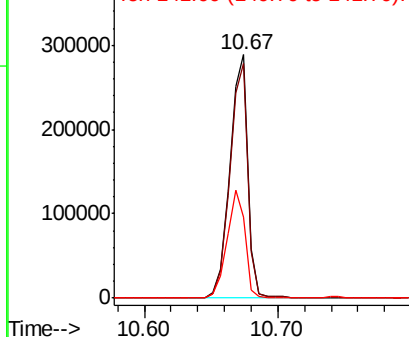
Lab File: BF116722.D

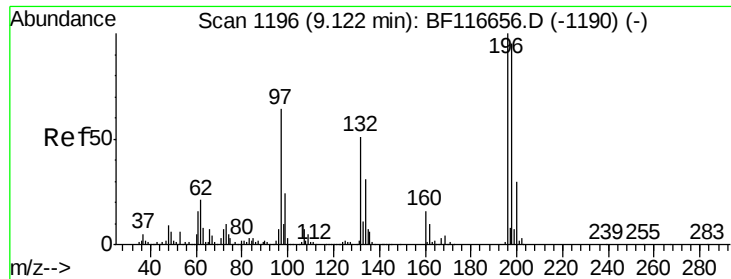
Acq: 1 Sep 2019 3:40

Tgt Ion:	330	Resp:	276242
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	44.6	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





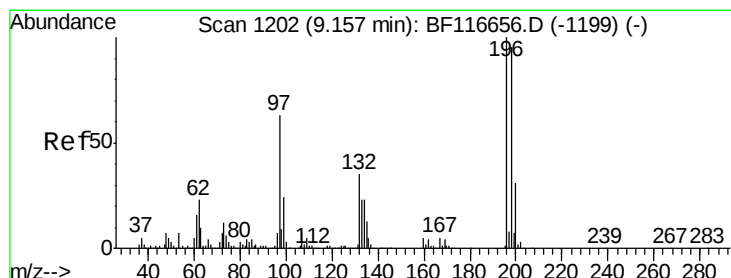
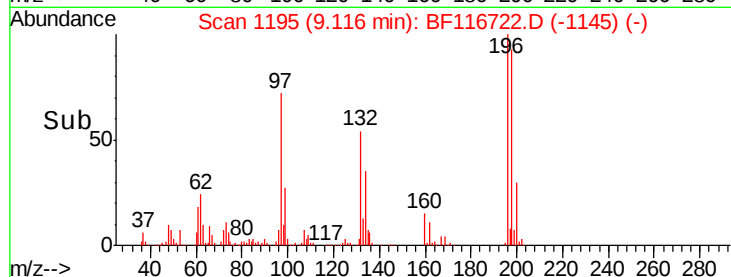
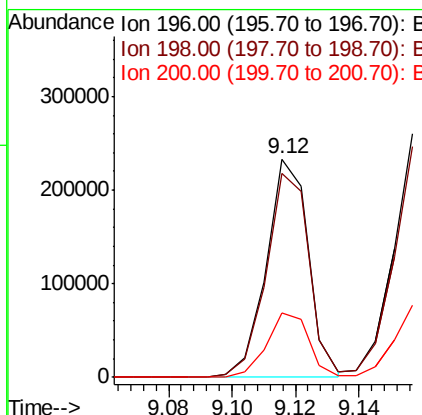
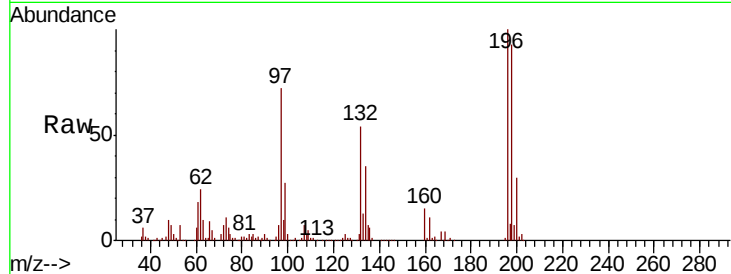
#43
 2,4,6-Trichlorophenol
 Concen: 54.006 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion:196	Resp:	214573
Ion Ratio	Lower	Upper
196 100		
198 93.3	79.1	118.7
200 29.6	24.0	36.0

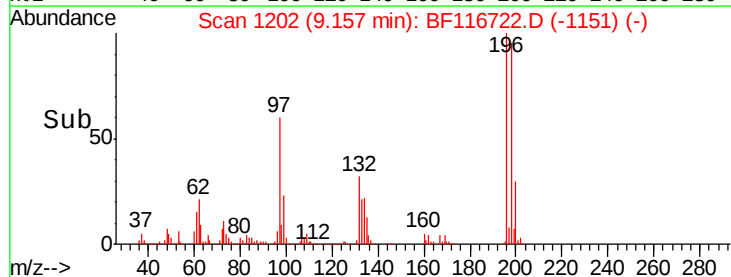
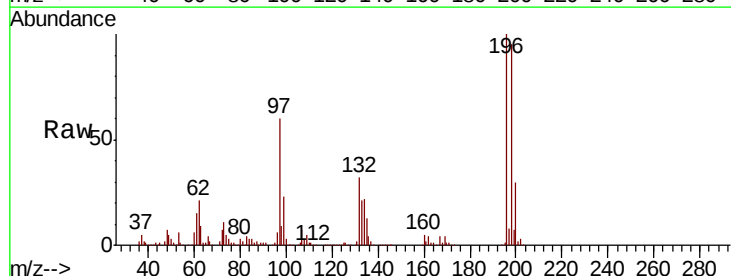
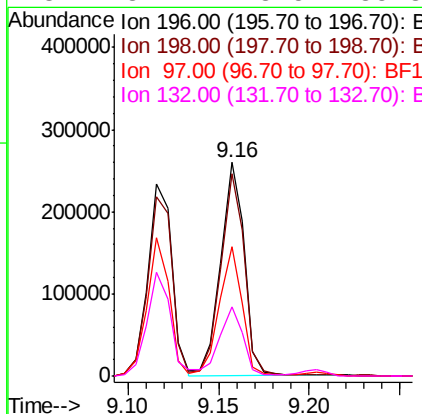
Manual Integrations
 APPROVED

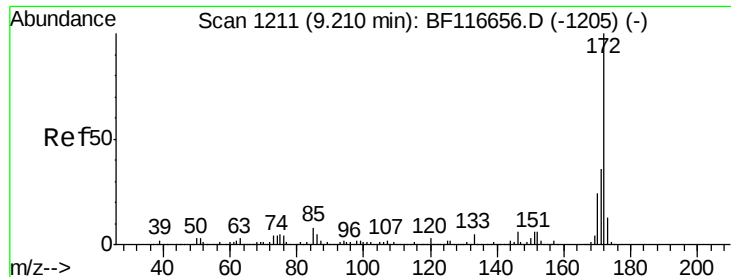
mohammad
 9/5/2019 9:23:50 AM



#44
 2,4,5-Trichlorophenol
 Concen: 57.363 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion:196	Resp:	236611
Ion Ratio	Lower	Upper
196 100		
198 94.7	78.1	117.1
97 60.4	41.6	62.4
132 32.4	23.5	35.3





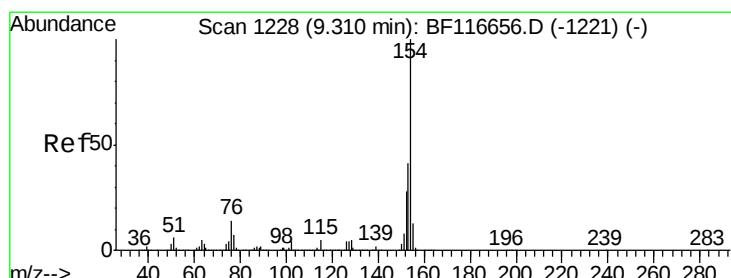
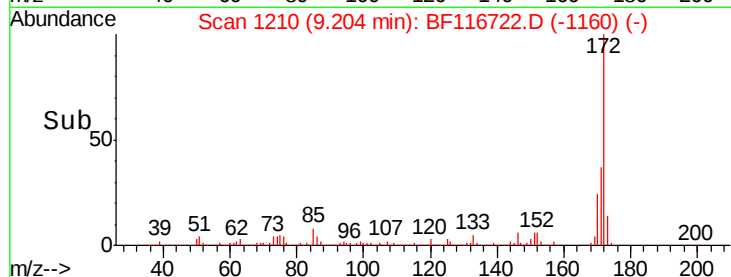
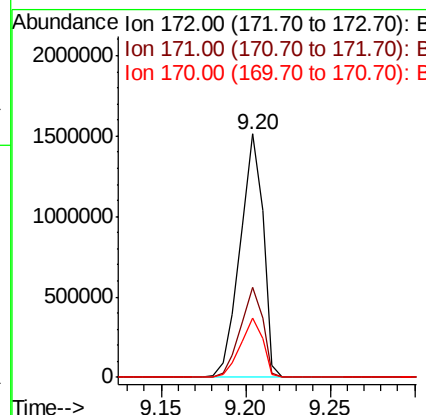
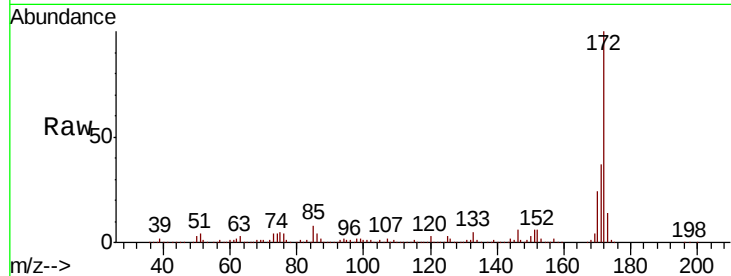
#45
2-Fluorobiphenyl
Concen: 100.165 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	27.8	41.6
170	24.3	18.9	28.3

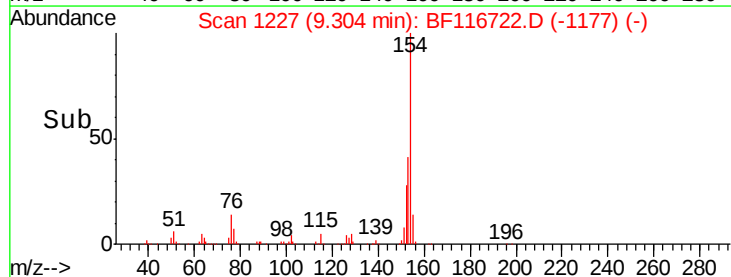
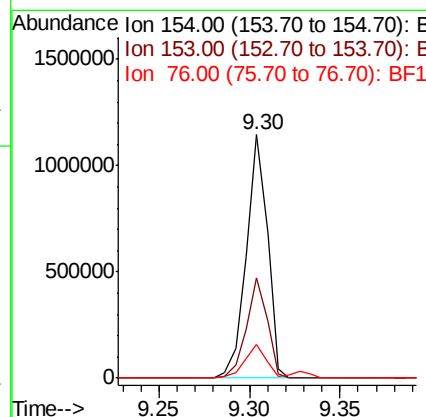
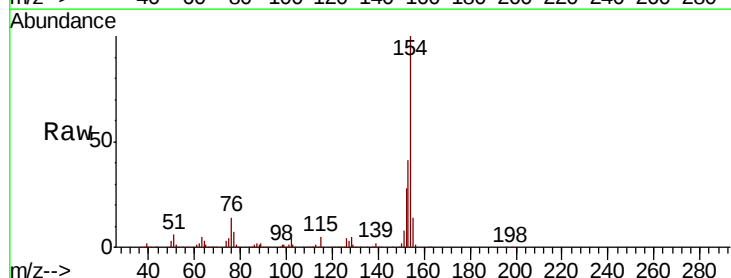
Manual Integrations
APPROVED

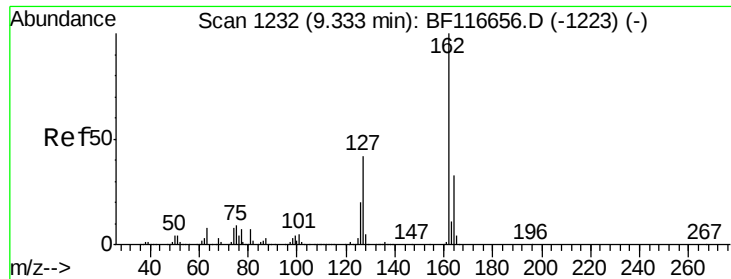
mohammad
9/5/2019 9:23:50 AM



#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.2	61.2
76	14.1	0.0	30.9





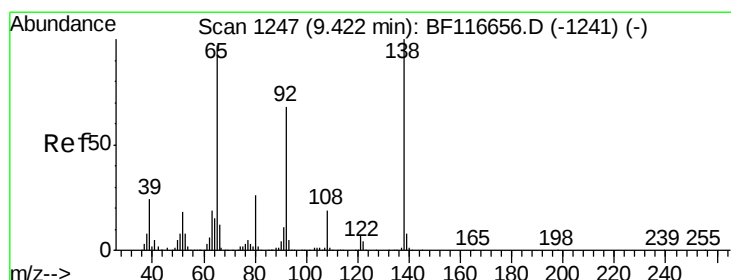
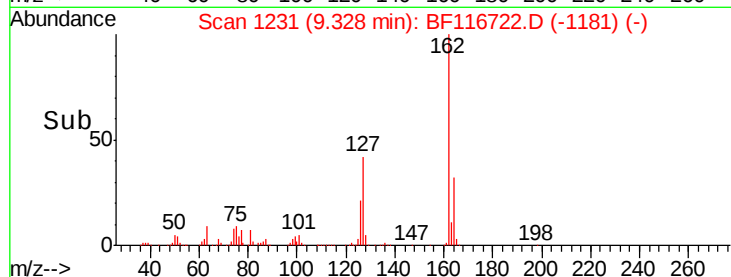
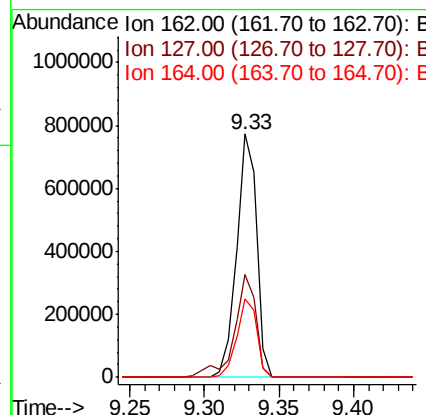
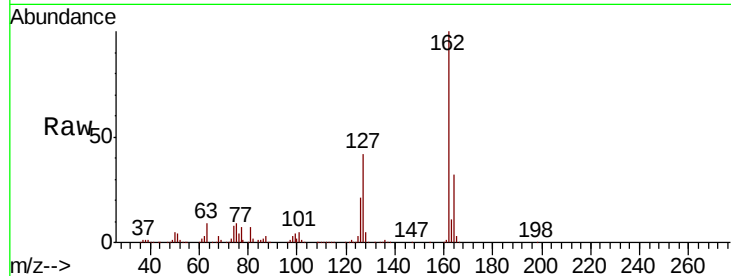
#47
2-Chloronaphthalene
Concen: 50.356 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	731748		
127	42.3	33.4	50.2	
164	32.5	26.6	39.8	

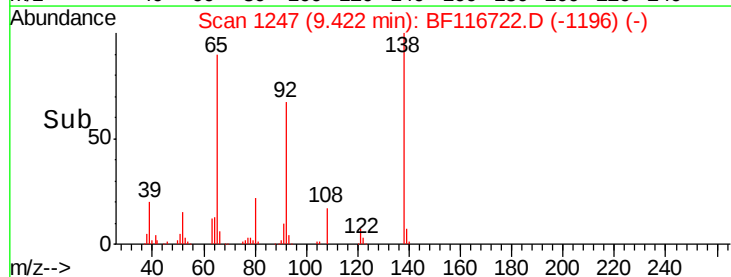
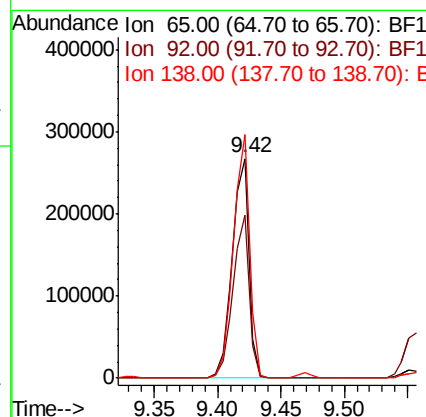
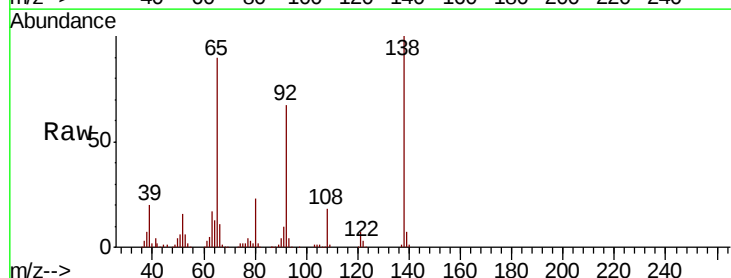
Manual Integrations
APPROVED

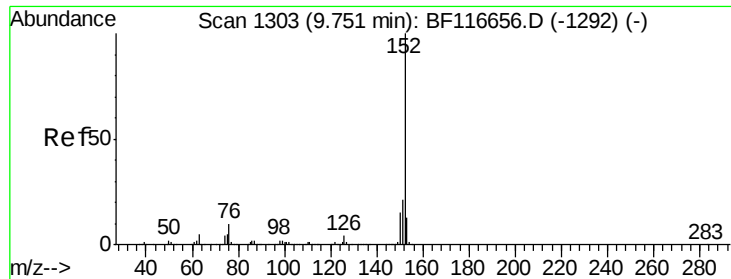
mohammad
9/5/2019 9:23:50 AM



#48
2-Nitroaniline
Concen: 58.378 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	245250		
92	74.0	57.1	85.7	
138	110.9	88.2	132.2	





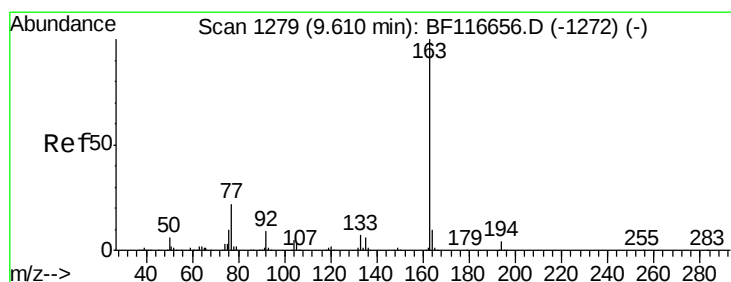
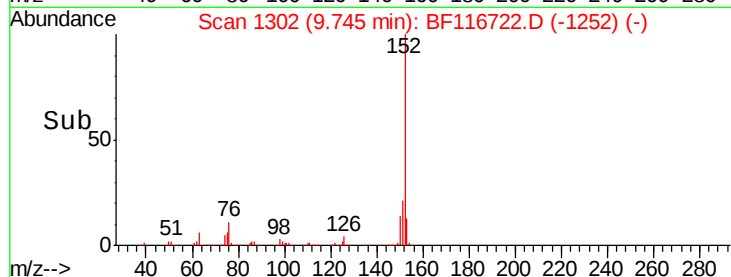
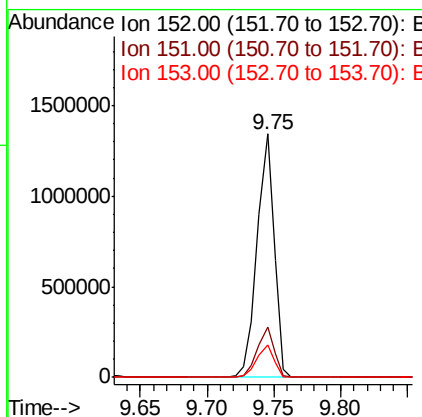
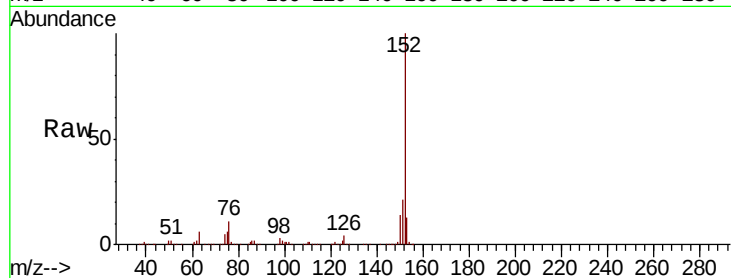
#49
Acenaphthylene
Concen: 53.319 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.9	23.9
153	13.3	10.9	16.3

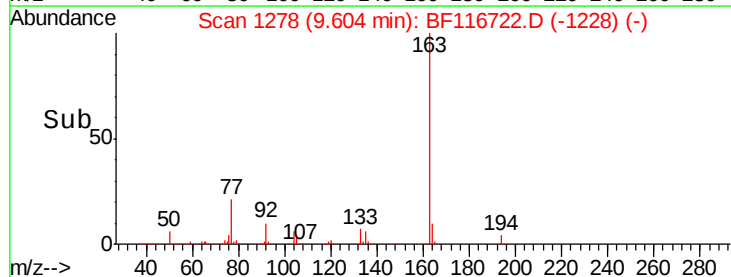
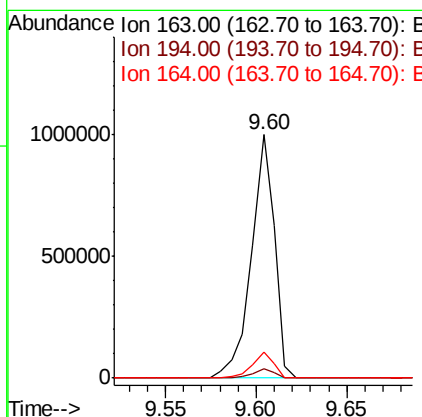
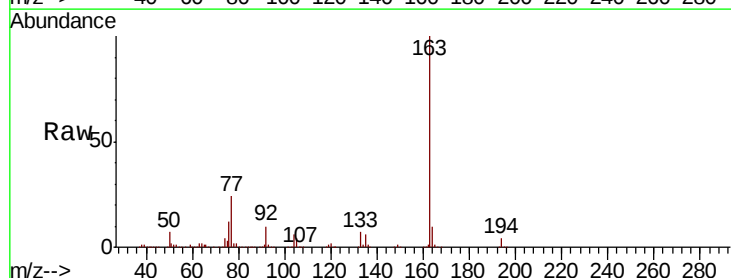
Manual Integrations
APPROVED

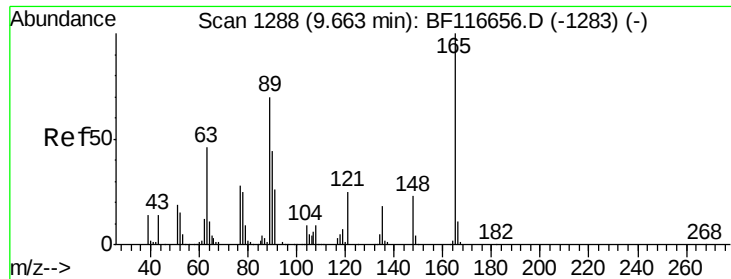
mohammad
9/5/2019 9:23:50 AM



#50
Dimethylphthalate
Concen: 53.051 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.5	8.6	12.8





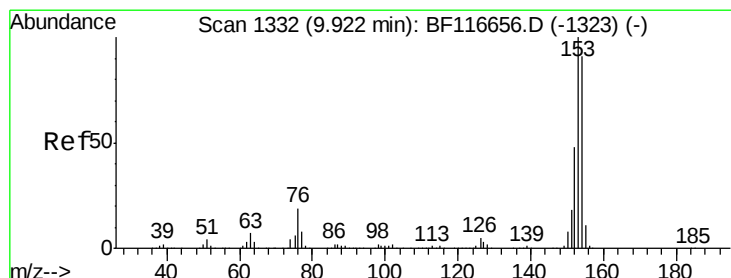
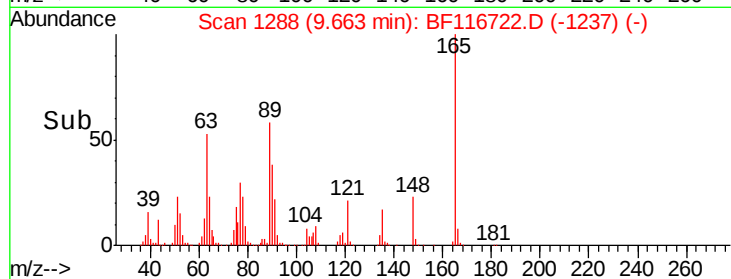
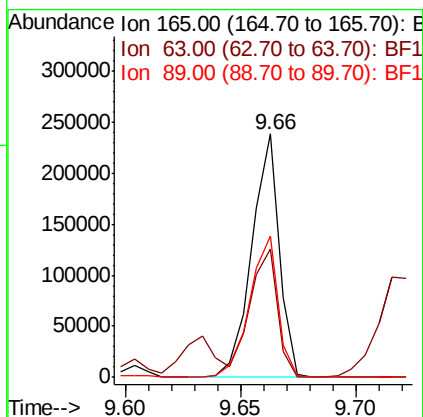
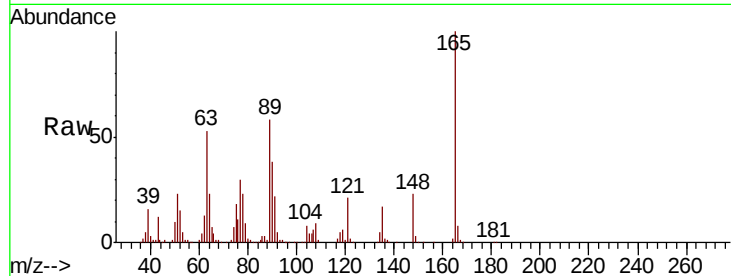
#51
2,6-Dinitrotoluene
Concen: 62.673 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion:	165	Resp:	199603
Ion Ratio		Lower	Upper
165	100		
63	52.9	47.3	70.9
89	58.1	52.5	78.7

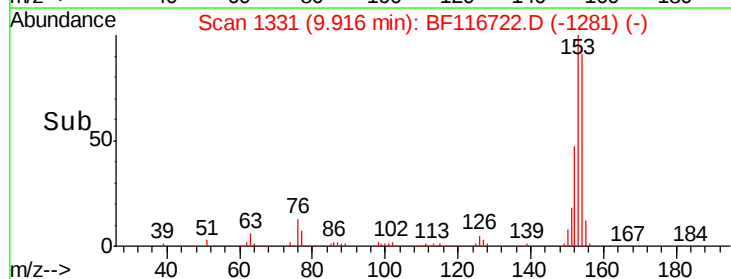
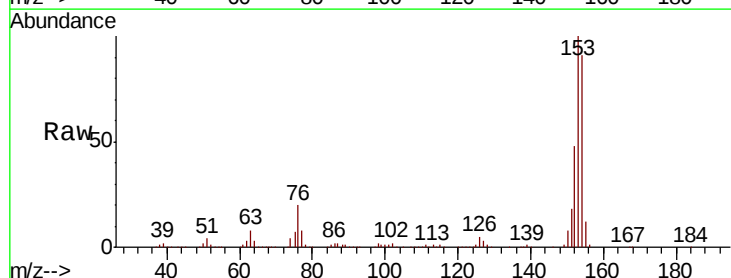
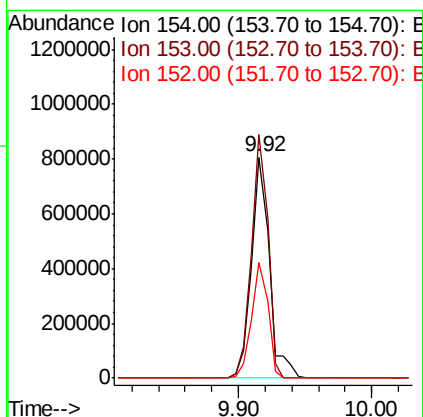
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#52
Acenaphthene
Concen: 54.587 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion:	154	Resp:	736739
Ion Ratio		Lower	Upper
154	100		
153	110.1	89.5	134.3
152	52.6	41.9	62.9





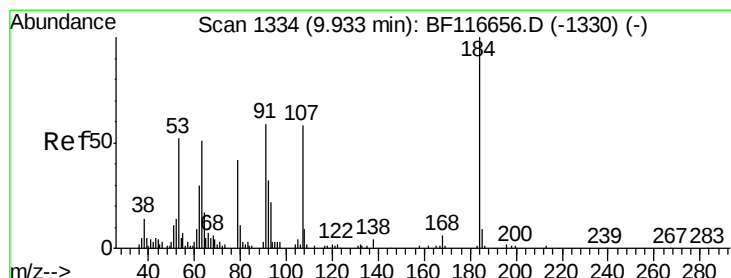
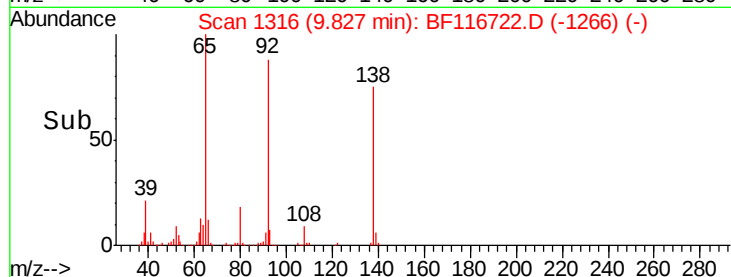
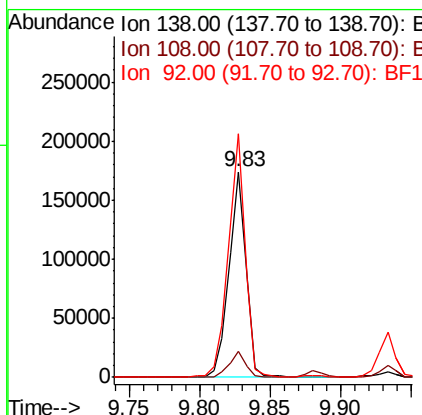
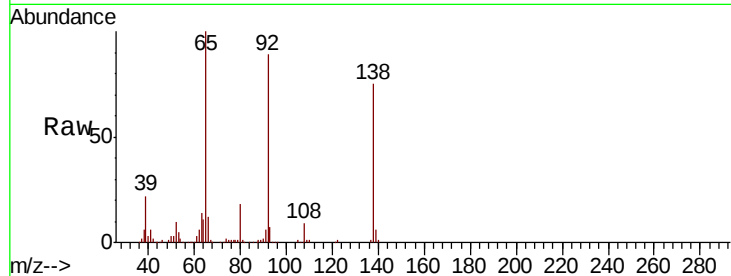
#53
3-Nitroaniline
Concen: 36.802 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	146885		
108	12.5	8.5	12.7	
92	118.3	87.2	130.8	

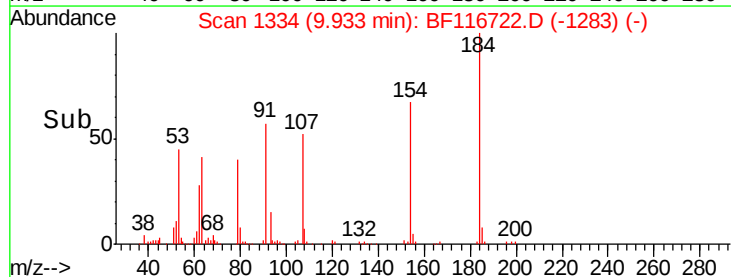
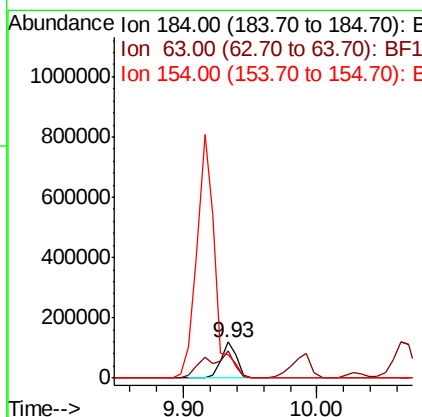
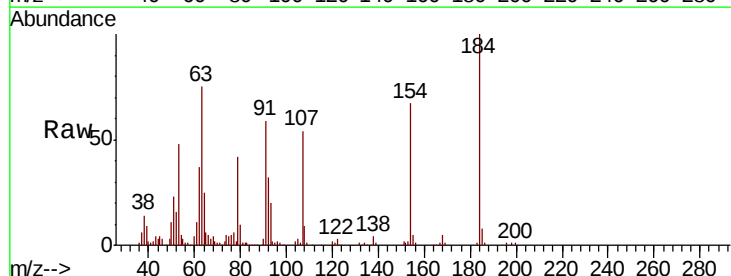
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#54
2,4-Dinitrophenol
Concen: 87.604 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	100094		
63	75.5	52.2	78.2	
154	67.4	60.8	91.2	





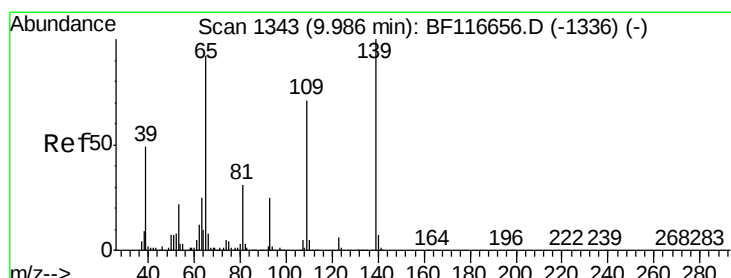
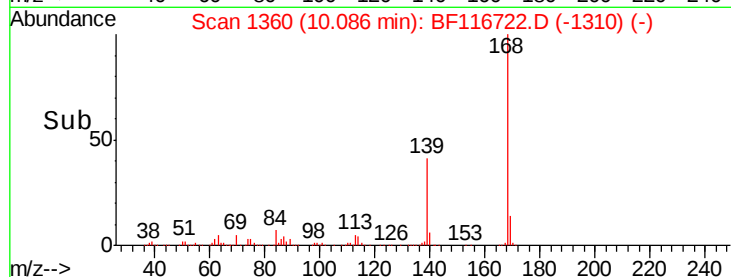
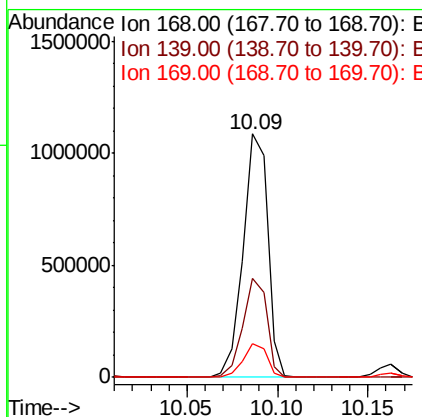
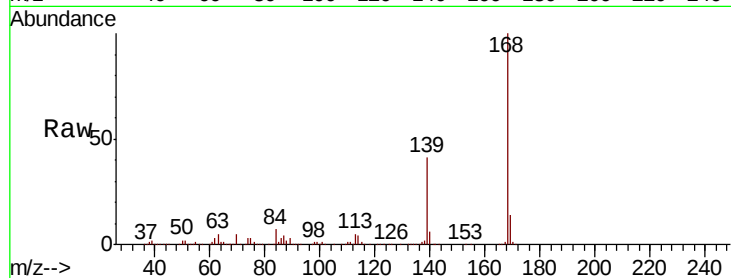
#55
Dibenzofuran
Concen: 53.941 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.5	47.3
169	13.7	10.3	15.5

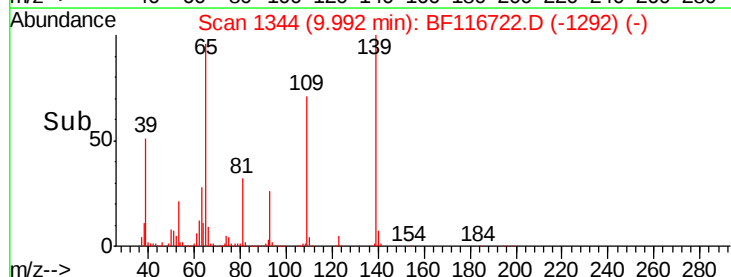
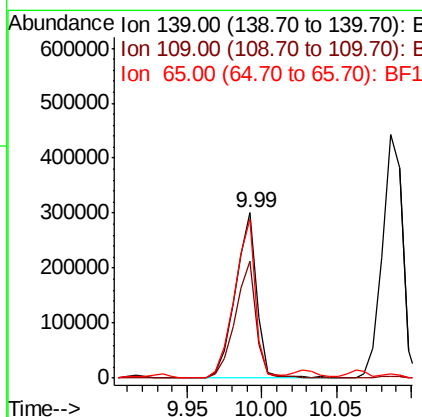
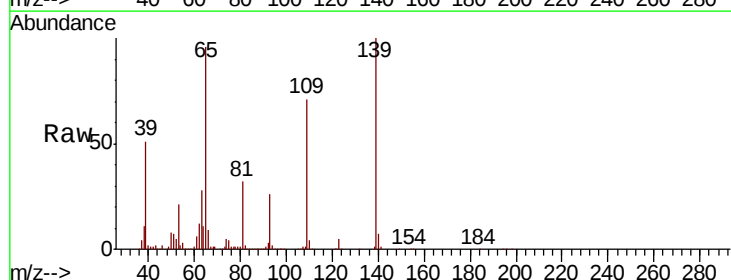
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#56
4-Nitrophenol
Concen: 111.339 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.1	61.7	101.7
65	96.1	89.1	129.1





#57

2,4-Dinitrotoluene

Concen: 69.951 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

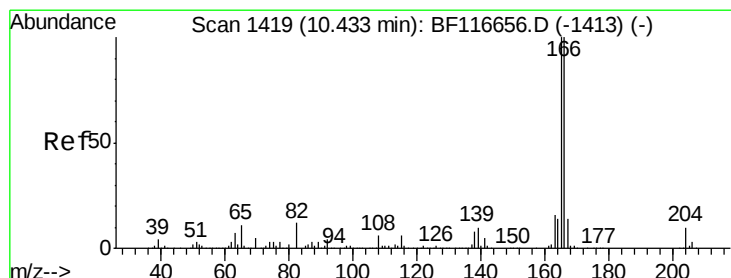
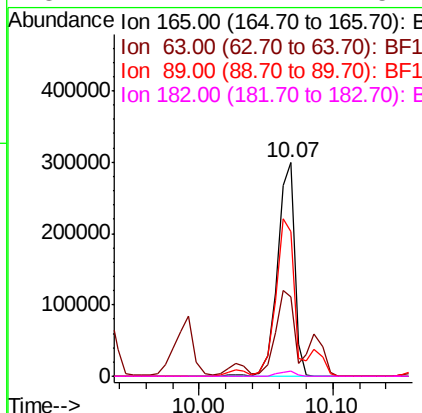
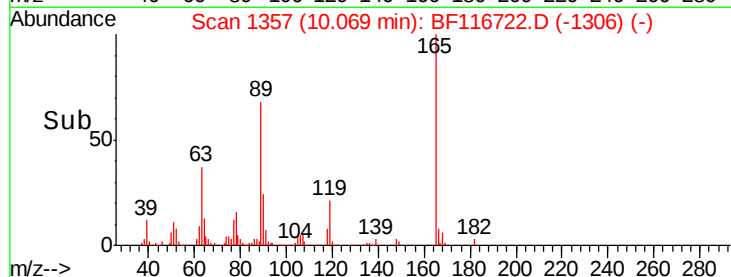
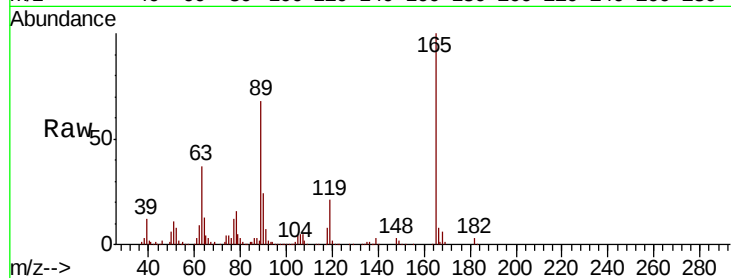
ClientSampleId :

OK-02-082919MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		272409		
63	37.1		36.4	54.6	
89	68.0		62.6	94.0	
182	2.7		2.1	3.1	

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#58

Fluorene

Concen: 54.309 ng

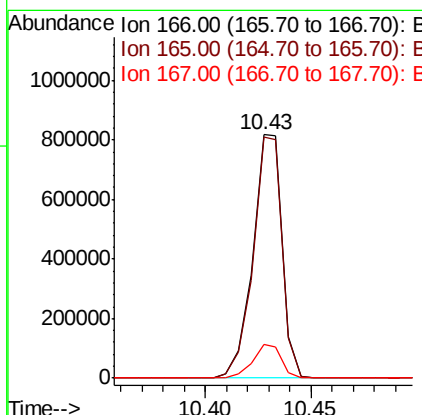
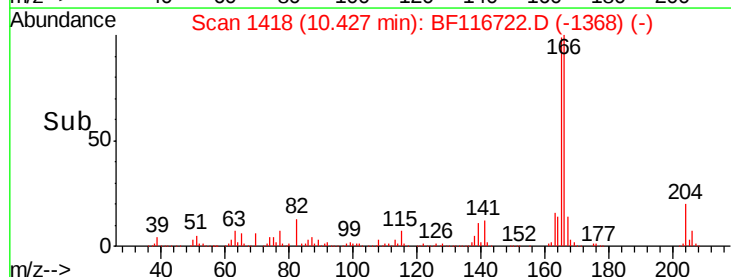
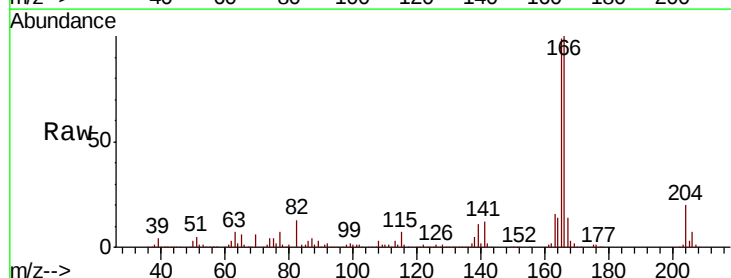
RT: 10.43 min Scan# 1418

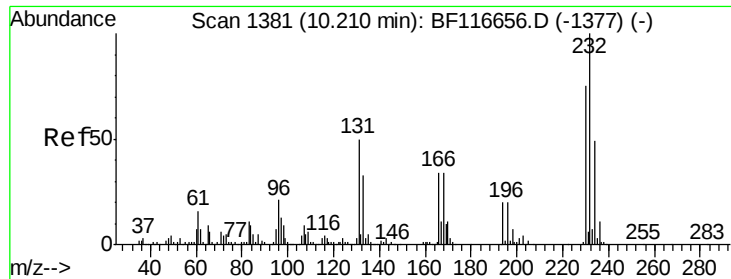
Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		787342		
165	99.2		78.8	118.2	
167	13.7		10.0	15.0	





#59

2,3,4,6-Tetrachlorophenol

Concen: 59.163 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MS

Tot Ion:232 Resp: 176125
Ion Ratio Lower Upper

232 100

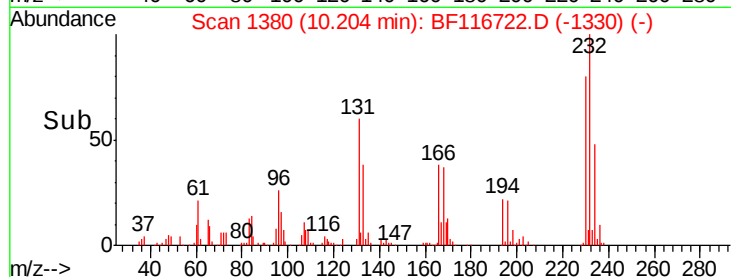
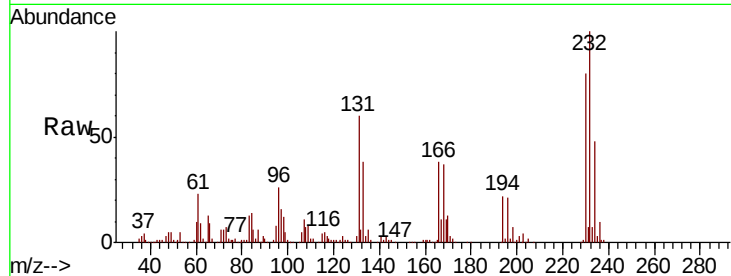
131 57.1 42.7 64.1

130 2.6 1.9 2.9

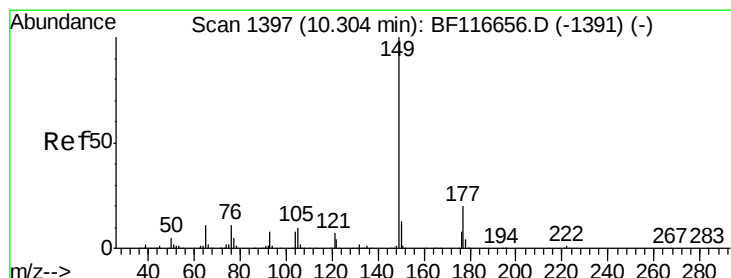
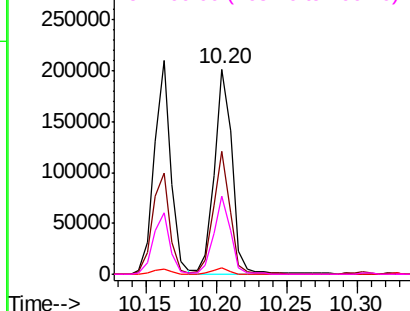
166 35.3 27.4 41.2

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 52.878 ng

RT: 10.30 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BF116722.D

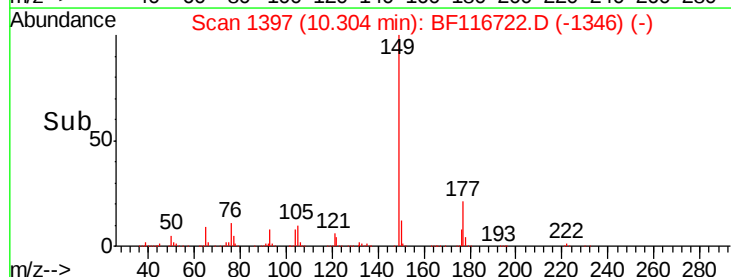
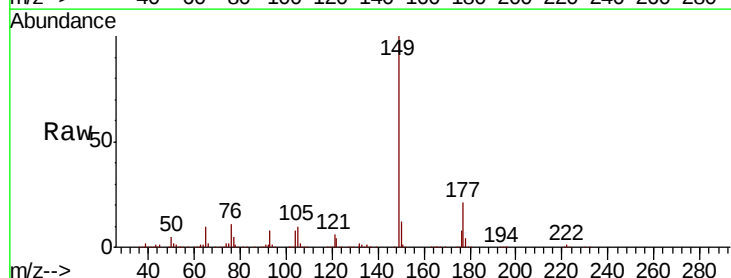
Acq: 1 Sep 2019 3:40

Tgt Ion:149 Resp: 884179
Ion Ratio Lower Upper

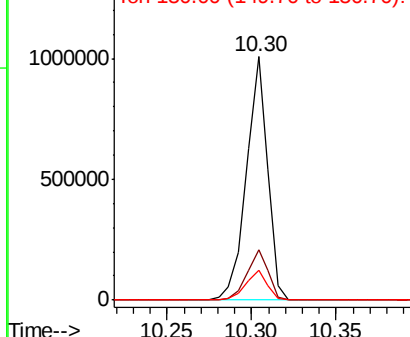
149 100

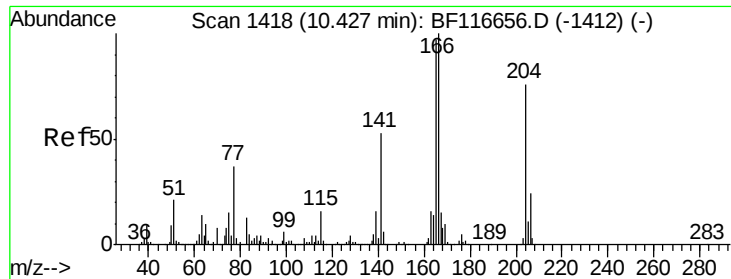
177 20.5 17.2 25.8

150 12.3 9.7 14.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





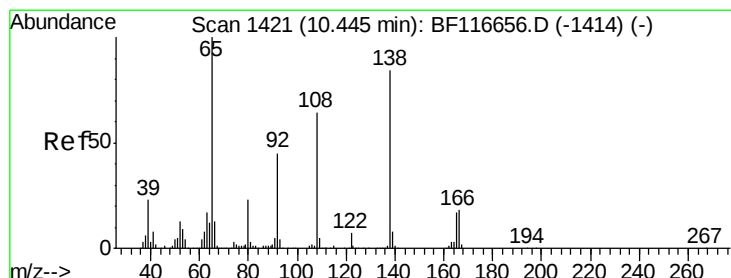
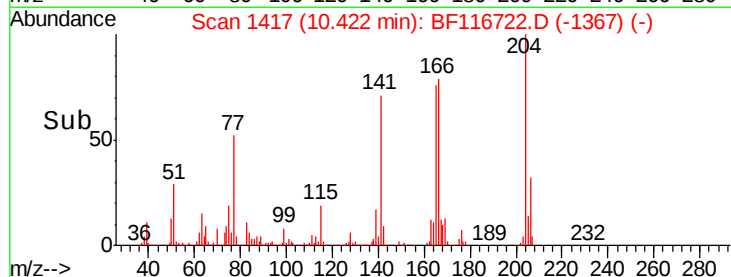
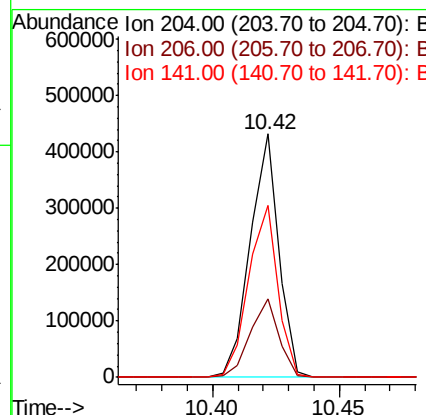
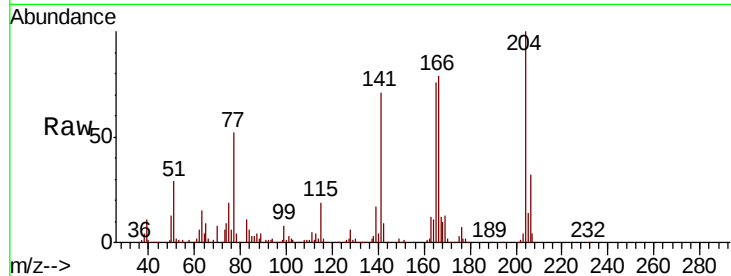
#61
4-Chlorophenyl-phenylether
Concen: 53.468 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	339436		
206	32.5	25.4	38.2	
141	70.8	53.8	80.8	

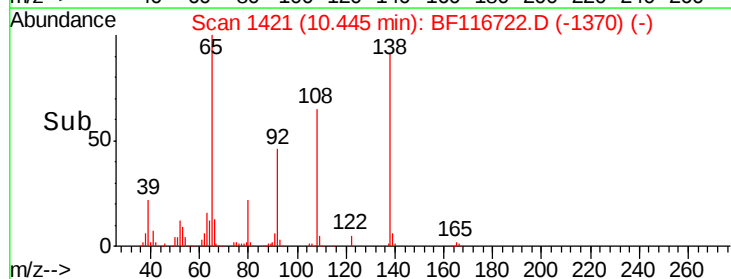
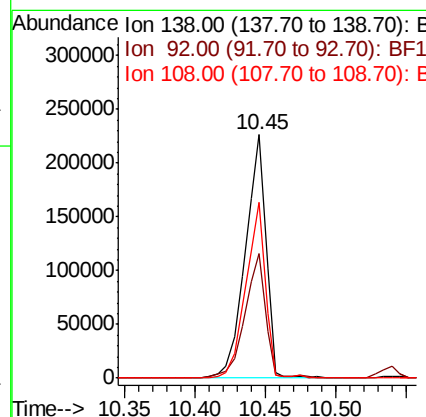
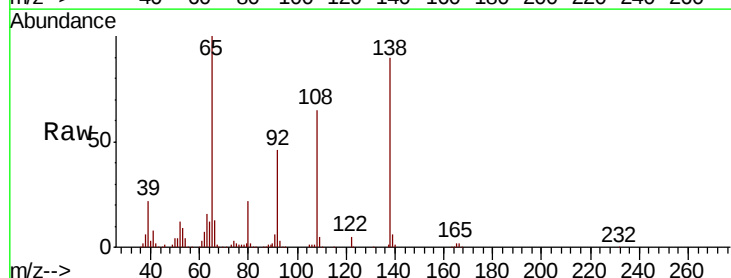
Manual Integrations
APPROVED

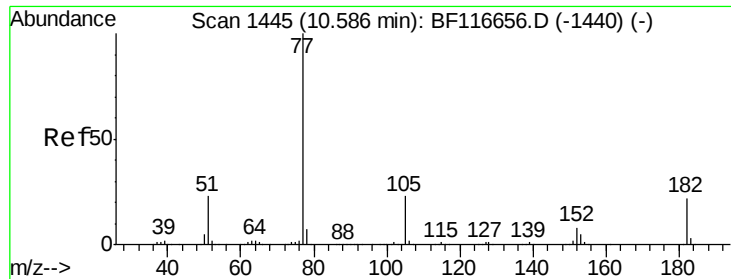
mohammad
9/5/2019 9:23:50 AM



#62
4-Nitroaniline
Concen: 59.914 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	232069		
92	51.0	28.7	68.7	
108	72.3	60.4	100.4	





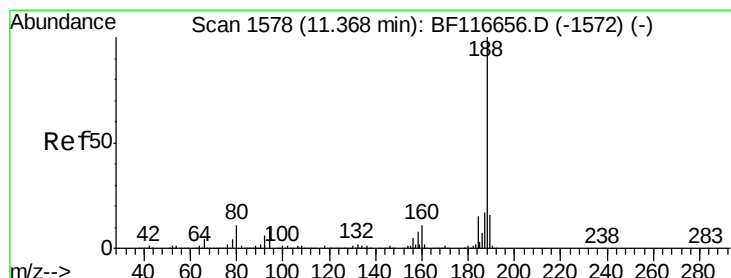
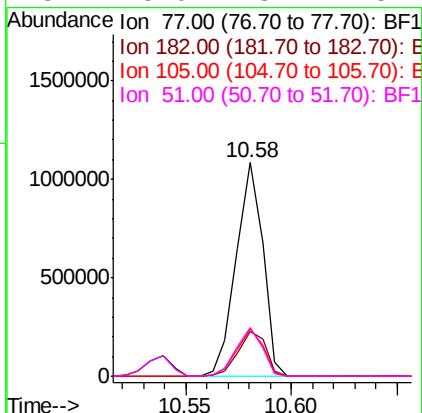
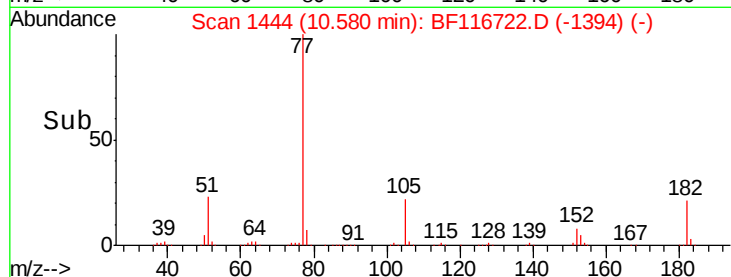
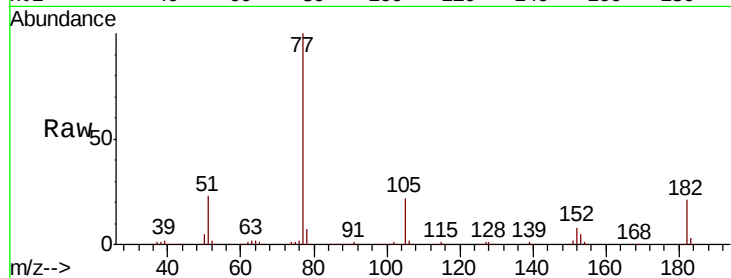
#63
Azobenzene
Concen: 54.548 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.2	1.2	41.2		
105	22.3	0.6	40.6		
51	23.0	8.2	48.2		

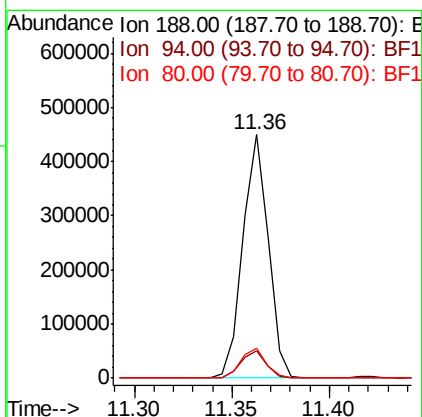
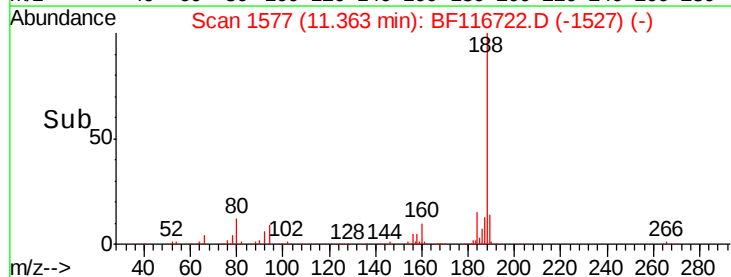
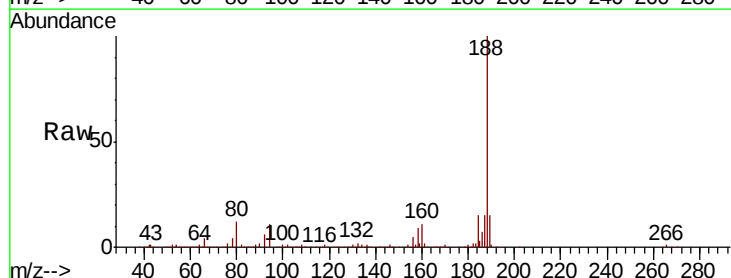
Manual Integrations
APPROVED

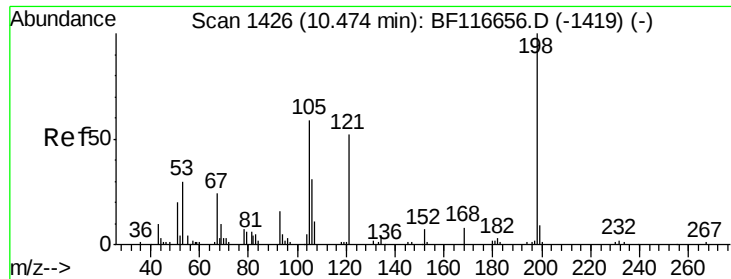
mohammad
9/5/2019 9:23:50 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.1	7.3	10.9#		
80	12.3	8.4	12.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 52.953 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MS

Tot Ion:198 Resp: 80529

Ion Ratio Lower Upper

198 100

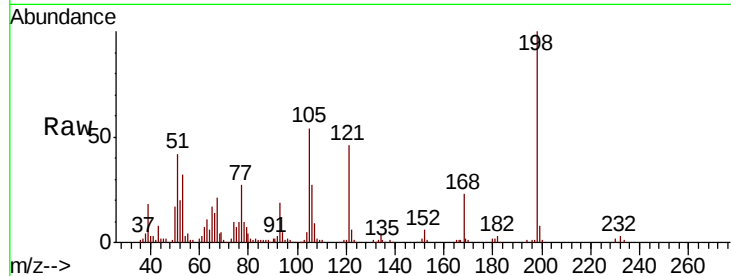
51 41.5 18.4 58.4

105 53.7 22.9 62.9

Manual Integrations
APPROVED

mohammad

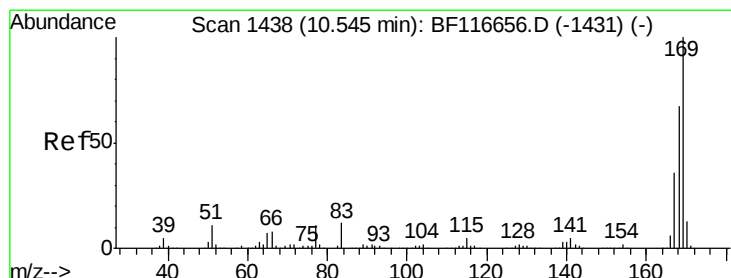
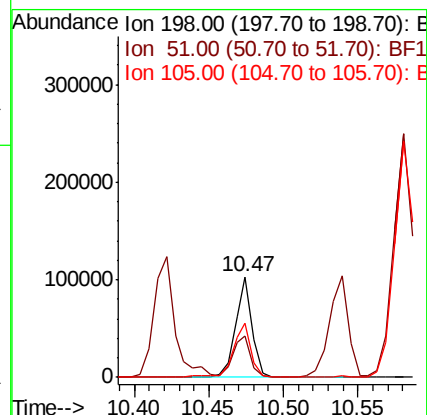
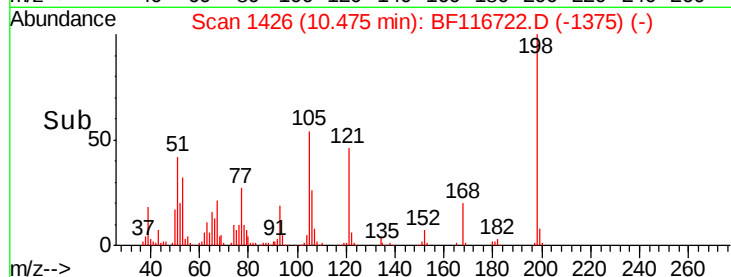
9/5/2019 9:23:50 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 52.373 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

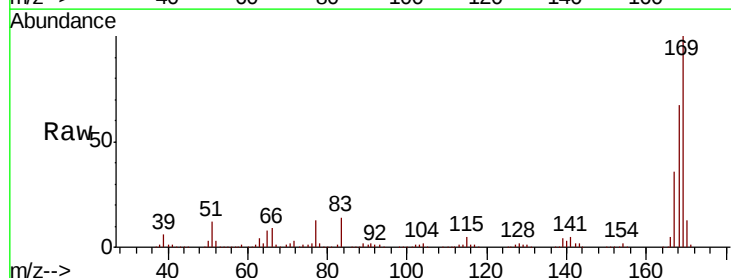
Tgt Ion:169 Resp: 735485

Ion Ratio Lower Upper

169 100

168 66.9 55.8 83.6

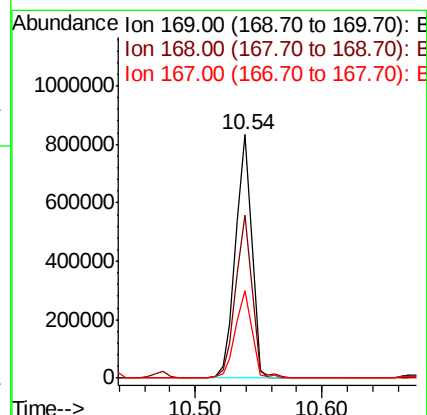
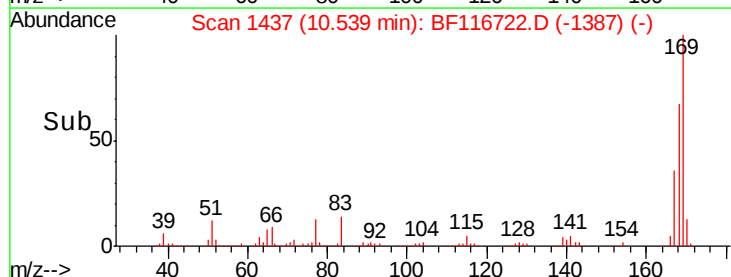
167 36.1 29.4 44.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





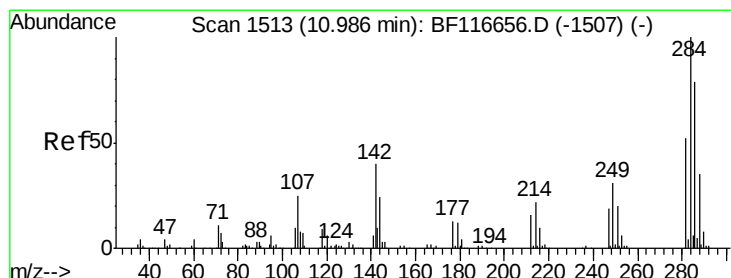
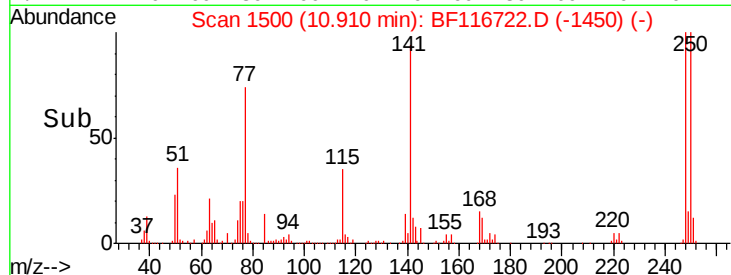
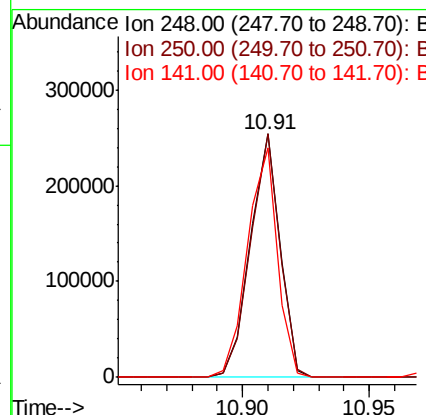
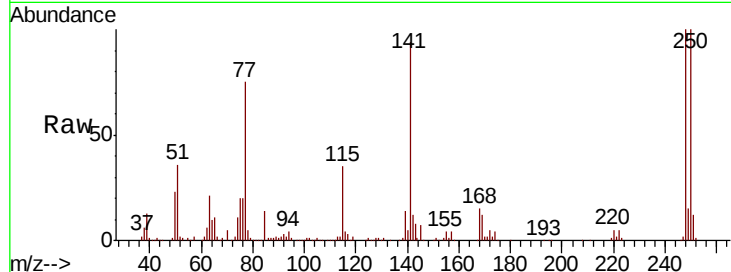
#67
 4-Bromophenyl-phenylether
 Concen: 50.247 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion:	248	Resp:	207214
Ion Ratio	Lower	Upper	
248	100		
250	100.1	77.8	116.8
141	94.1	75.9	113.9

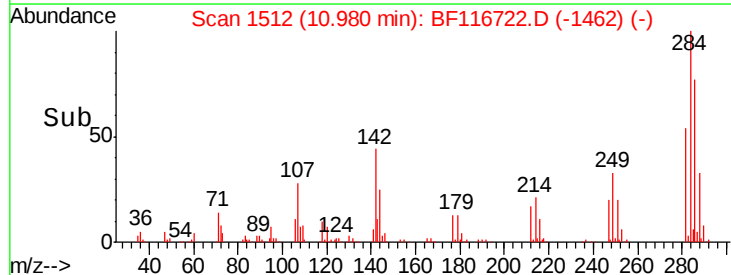
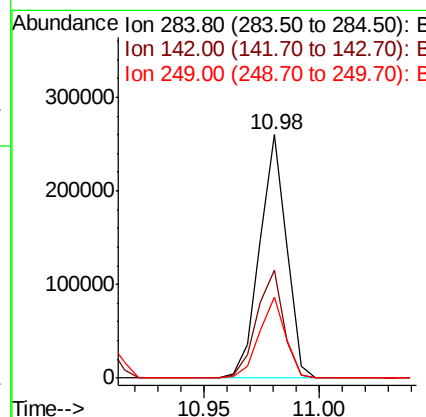
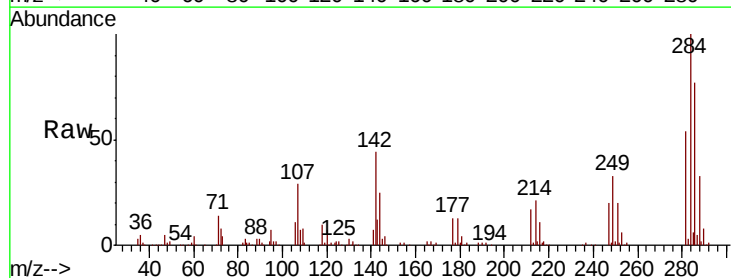
Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM



#68
 Hexachlorobenzene
 Concen: 49.236 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion:	284	Resp:	212436
Ion Ratio	Lower	Upper	
284	100		
142	44.1	34.0	51.0
249	33.4	26.4	39.6





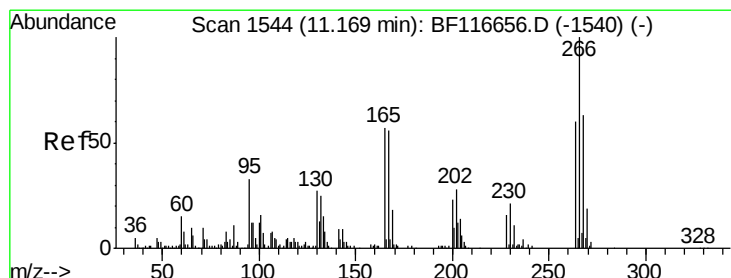
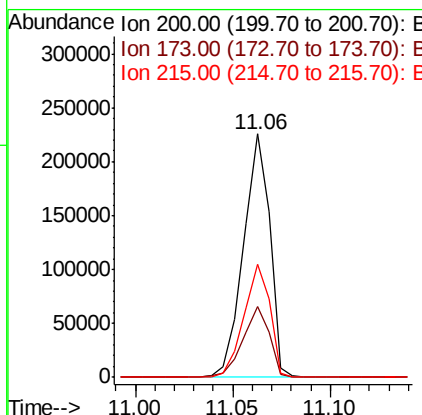
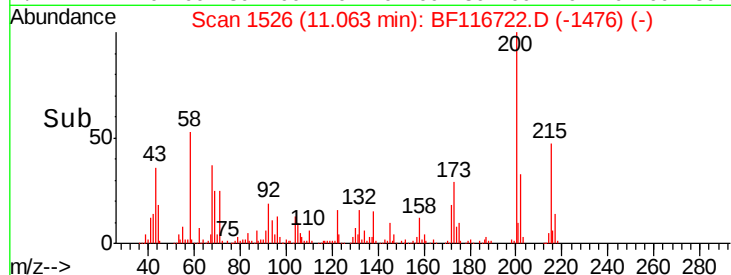
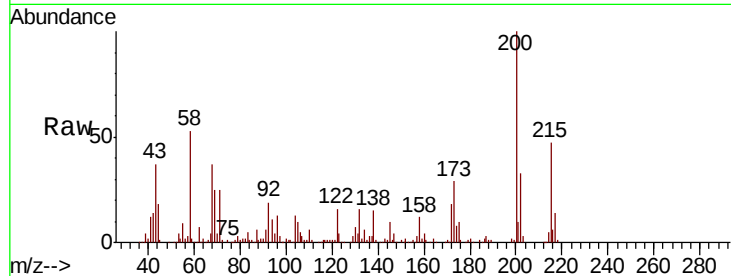
#69
 Atrazine
 Concen: 53.652 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion:	200	Resp:	211017
Ion Ratio	Lower	Upper	
200	100		
173	29.2	6.2	46.2
215	46.7	24.3	64.3

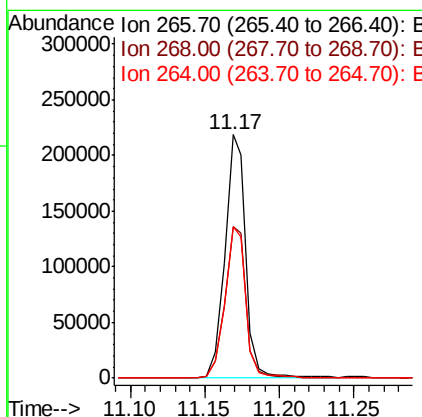
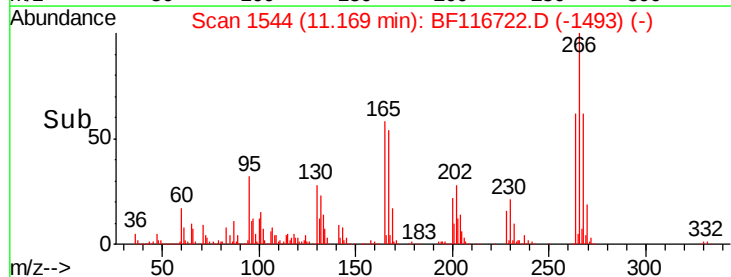
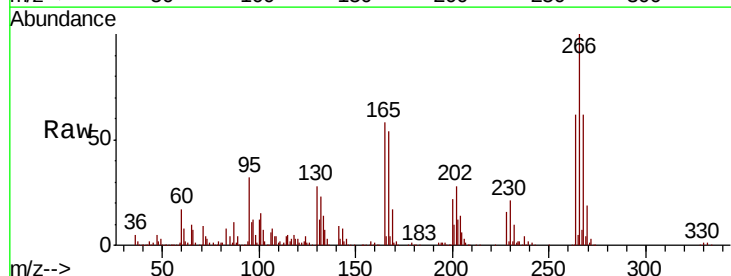
Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:50 AM



#70
 Pentachlorophenol
 Concen: 104.125 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. 0.00 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion:	266	Resp:	217330
Ion Ratio	Lower	Upper	
266	100		
268	62.4	51.2	76.8
264	62.2	51.9	77.9





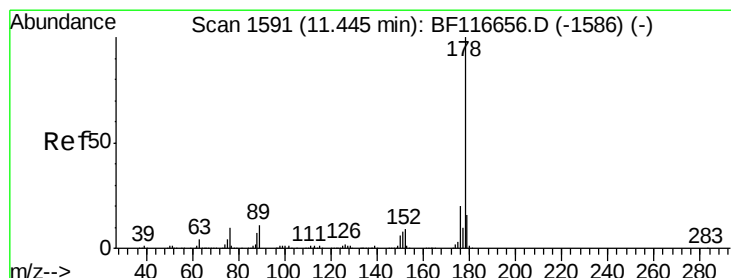
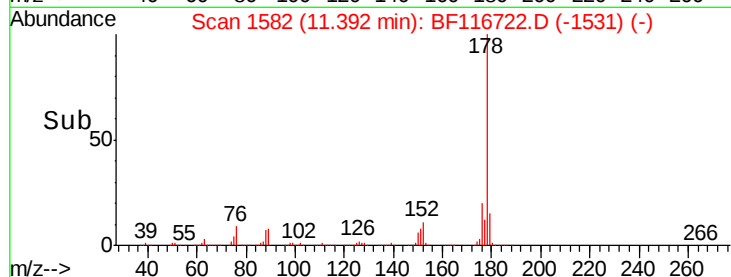
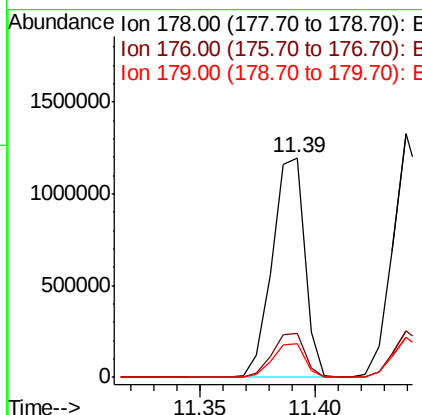
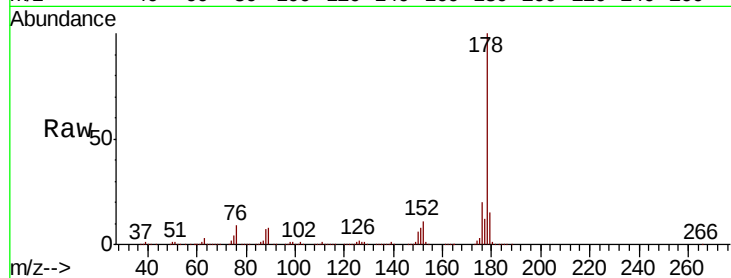
#71
Phenanthrene
Concen: 51.711 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.0
179	15.2	12.2	18.2

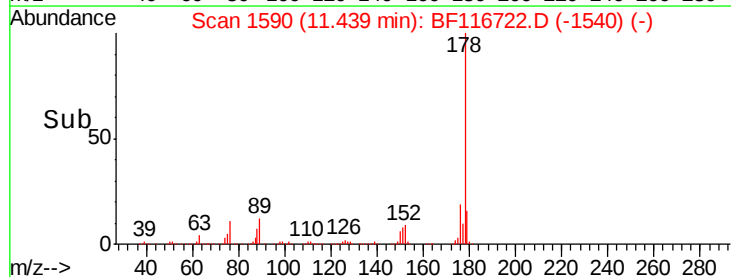
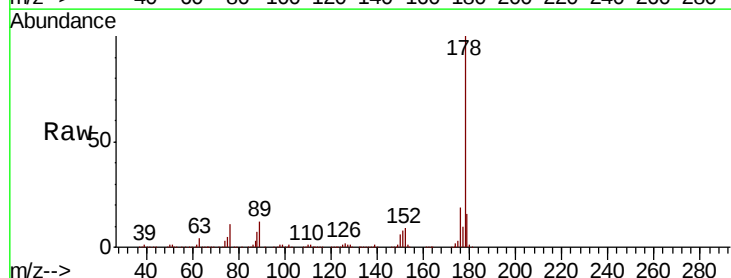
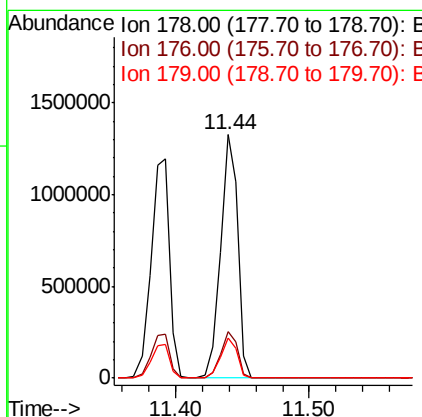
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#72
Anthracene
Concen: 52.929 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	16.2	12.5	18.7





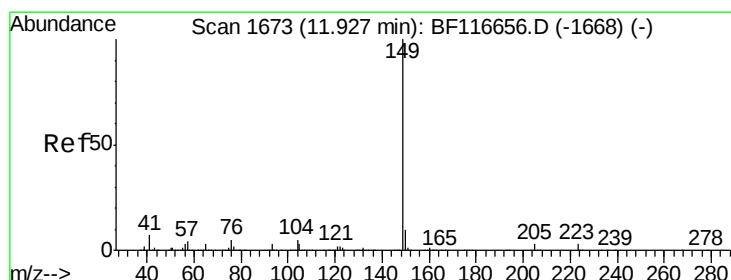
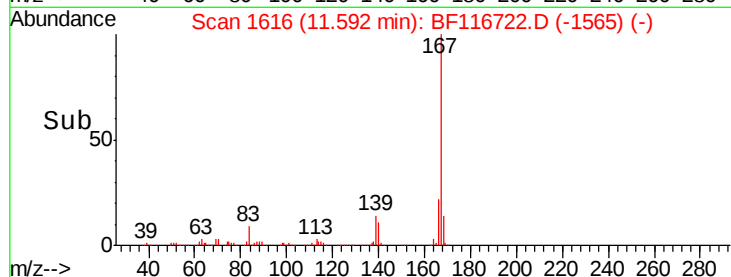
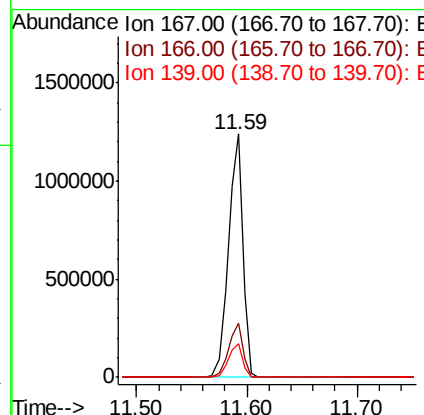
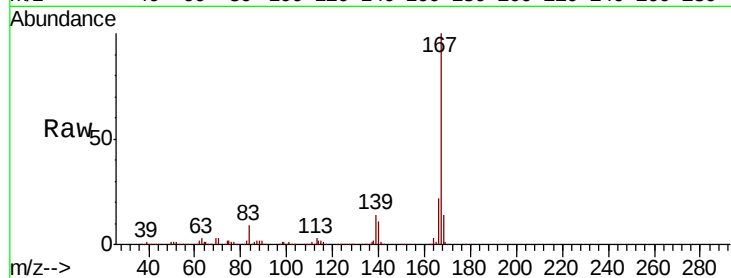
#73
 Carbazole
 Concen: 52.680 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.6
139	13.8	11.1	16.7

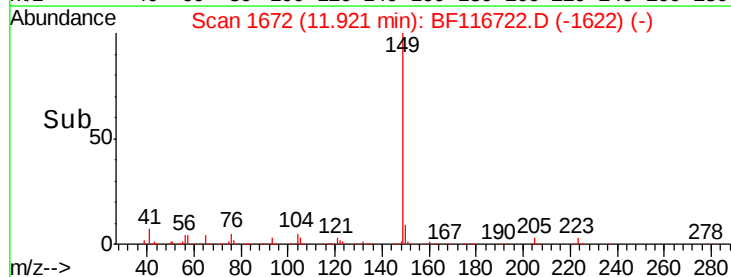
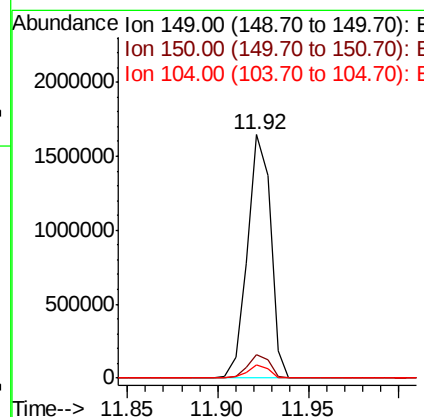
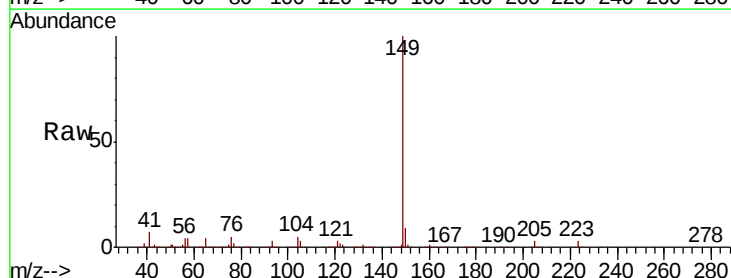
Manual Integrations
 APPROVED

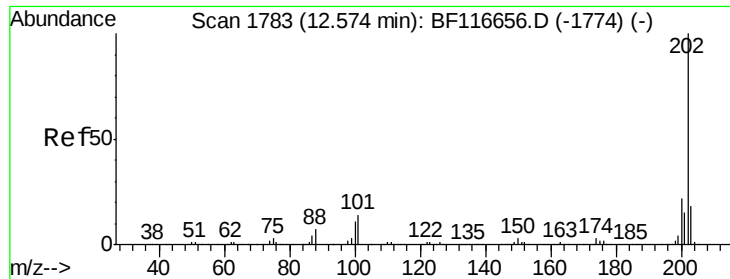
mohammad
 9/5/2019 9:23:50 AM



#74
 Di-n-butylphthalate
 Concen: 52.487 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.4	4.2	6.2





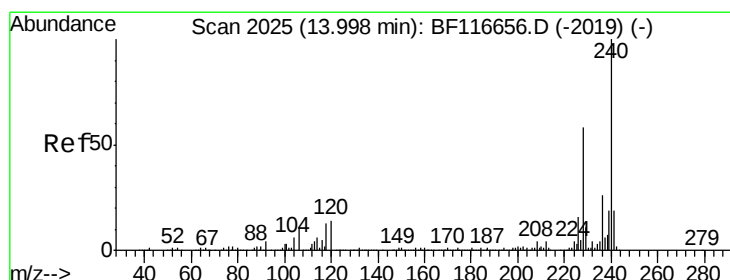
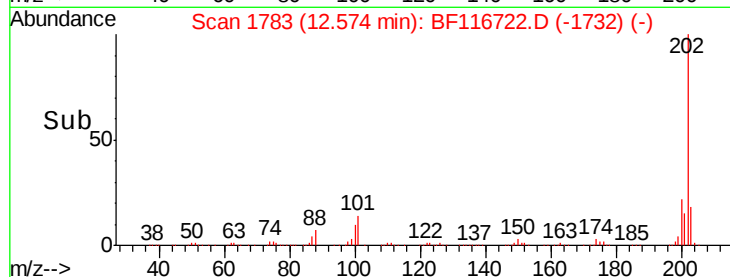
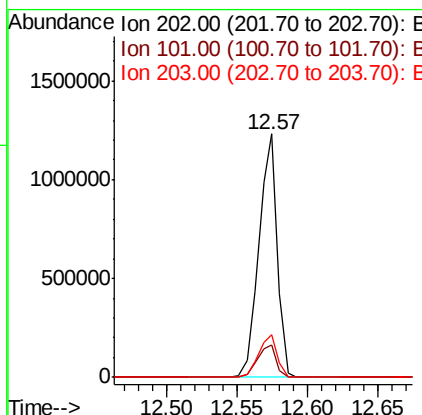
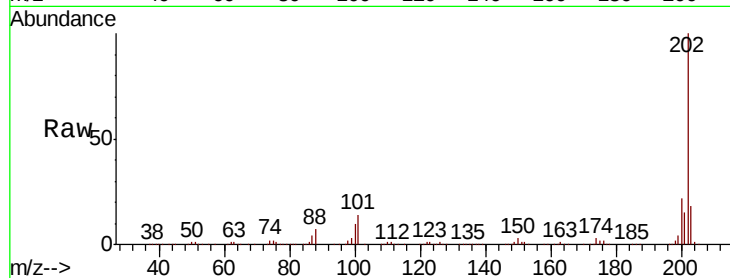
#75
Fluoranthene
Concen: 50.923 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1130885		
101	13.6	0.0	31.3	
203	17.6	0.0	37.6	

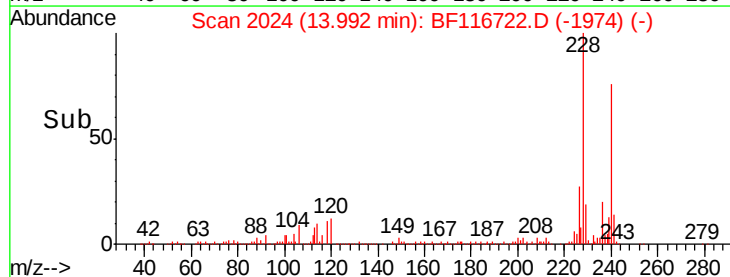
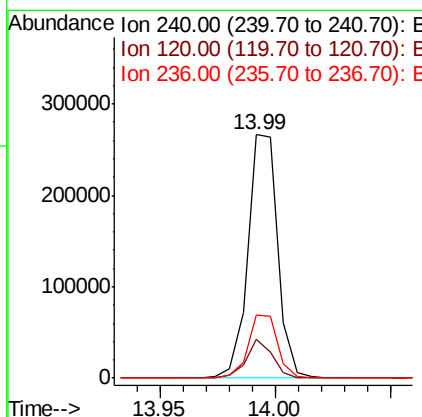
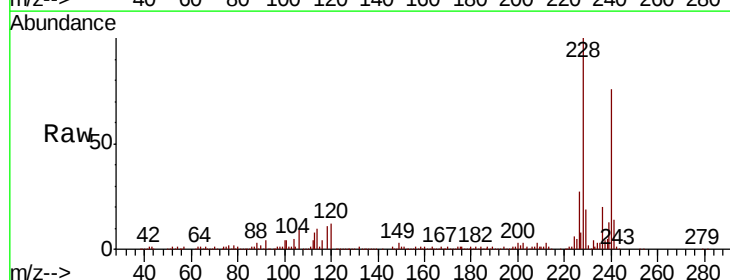
Manual Integrations
APPROVED

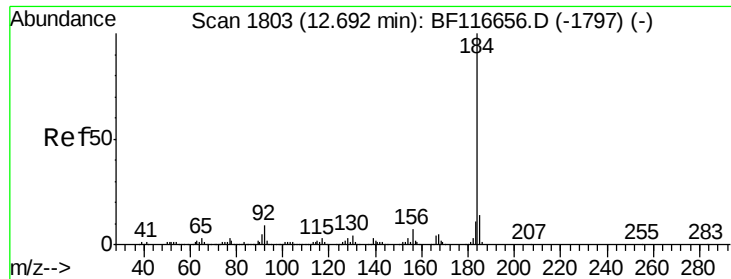
mohammad
9/5/2019 9:23:50 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	240913		
120	16.0	9.1	13.7#	
236	26.0	21.1	31.7	





#77

Benzidine

Concen: 6.412 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MS

Tot Ion:184 Resp: 60584

Ion Ratio Lower Upper

184 100

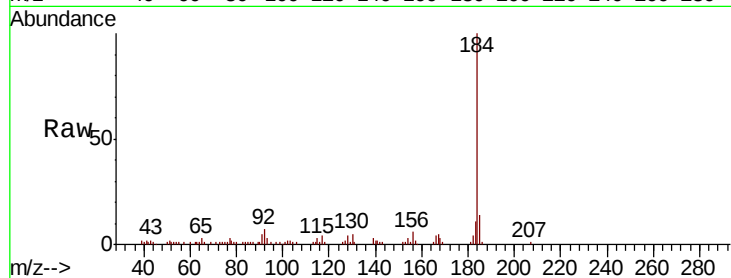
185 14.2 11.3 16.9

183 11.2 9.2 13.8

Manual Integrations
APPROVED

mohammad

9/5/2019 9:23:50 AM

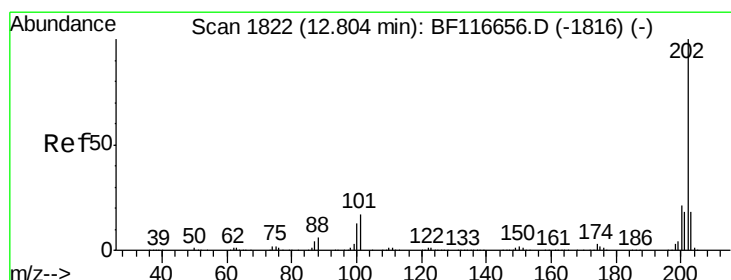
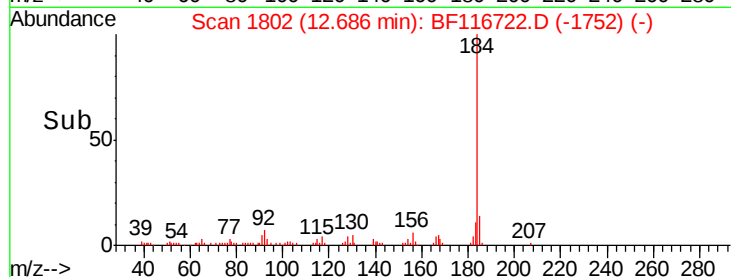
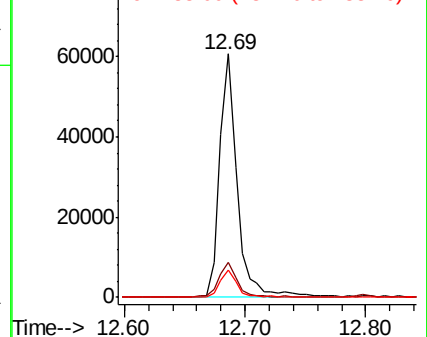


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.075 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

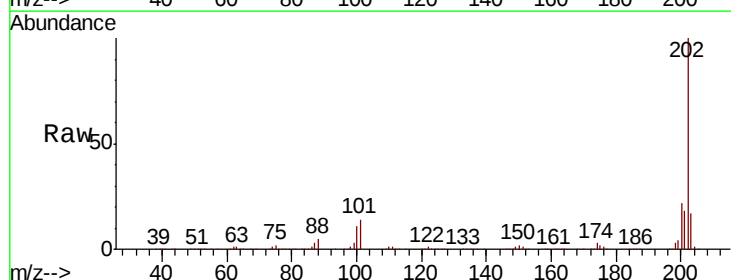
Tgt Ion:202 Resp: 1115210

Ion Ratio Lower Upper

202 100

200 21.6 16.5 24.7

203 17.0 13.7 20.5

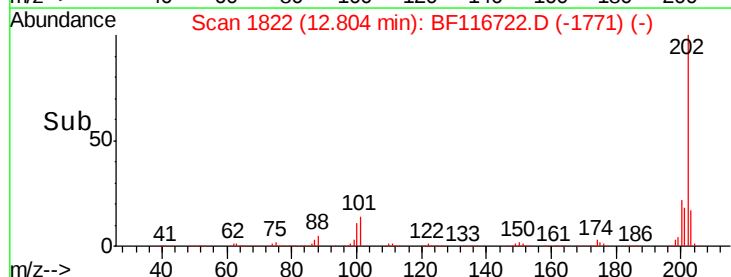
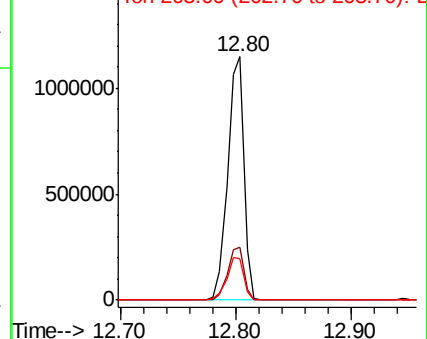


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





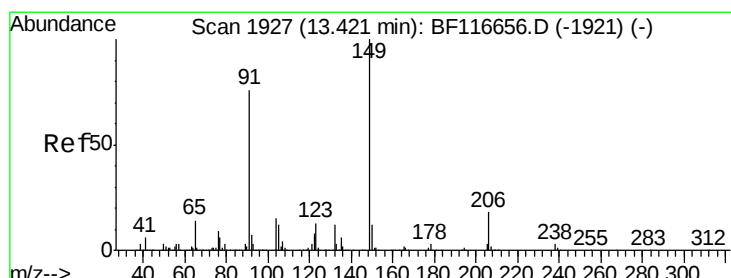
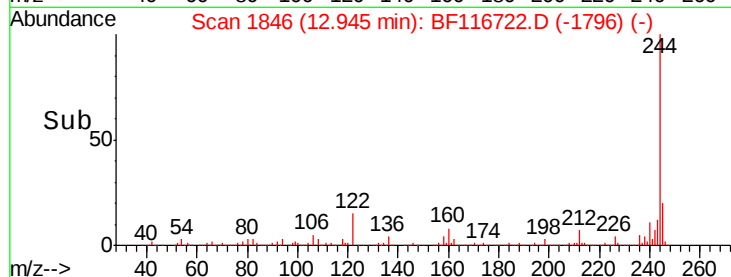
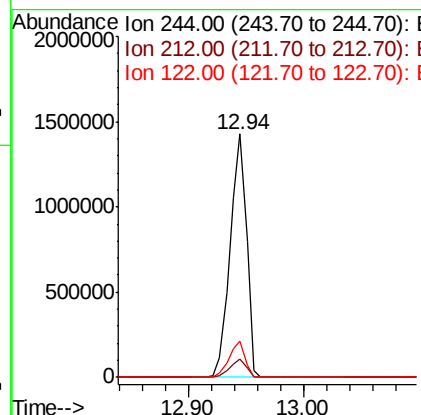
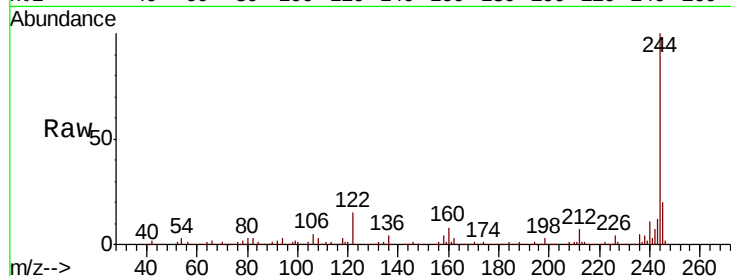
#79
 Terphenyl-d14
 Concen: 107.398 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion:244 Resp: 1398619
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 14.7 10.2 15.4

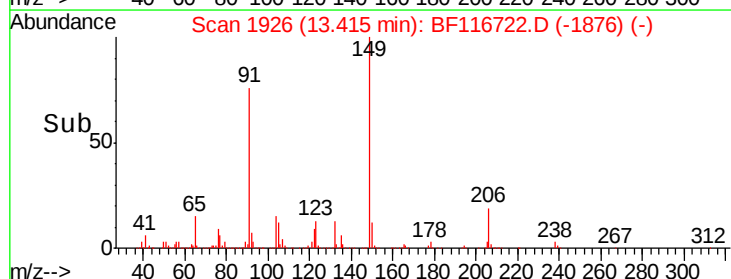
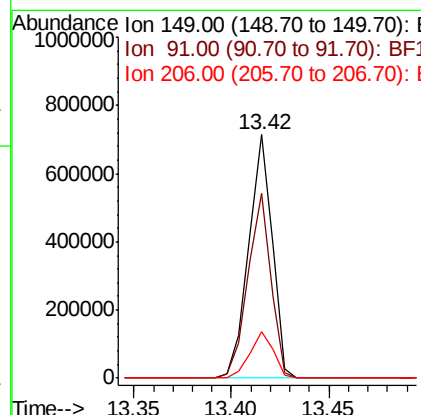
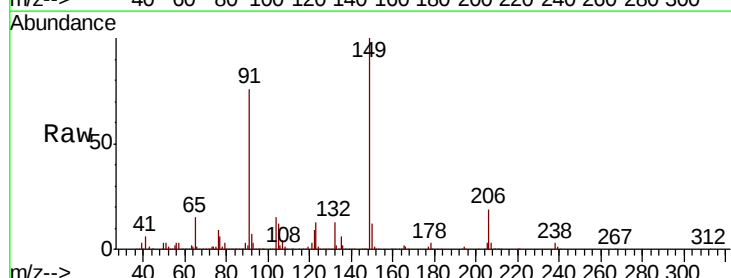
Manual Integrations
 APPROVED

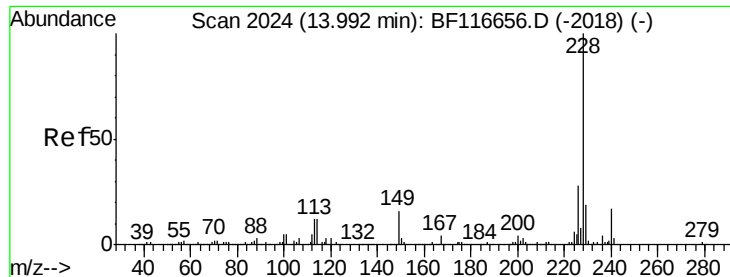
mohammad
 9/5/2019 9:23:50 AM



#80
 Butylbenzylphthalate
 Concen: 57.654 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion:149 Resp: 600426
 Ion Ratio Lower Upper
 149 100
 91 76.0 61.0 91.4
 206 19.1 14.8 22.2





#81

Benzo(a)anthracene

Concen: 51.373 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Instrument :

BNA_F

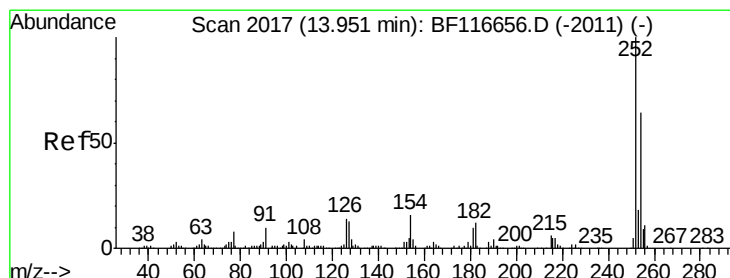
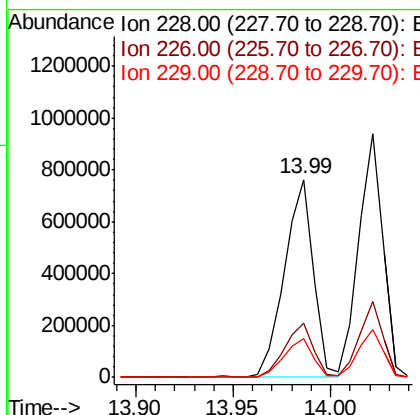
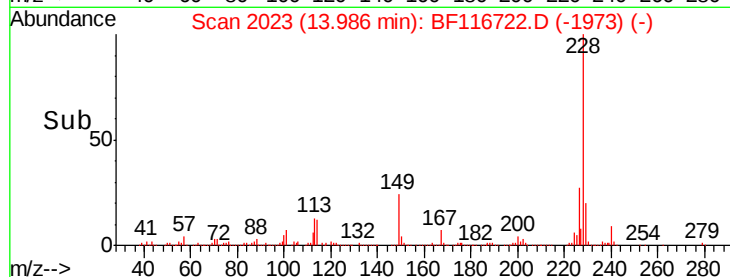
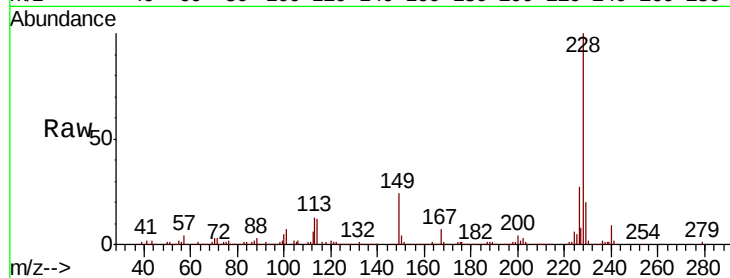
ClientSampleId :

OK-02-082919MS

Tot Ion:	228	Resp:	783298
Ion Ratio		Lower	Upper
228	100		
226	27.4	22.0	33.0
229	19.8	16.4	24.6

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#82

3,3'-Dichlorobenzidine

Concen: 46.269 ng

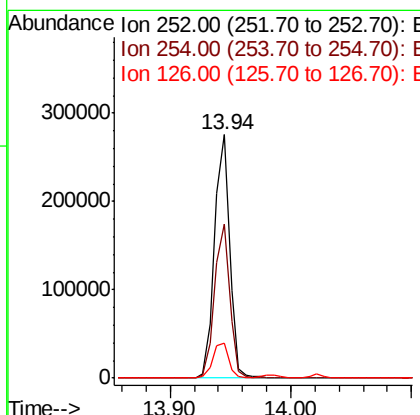
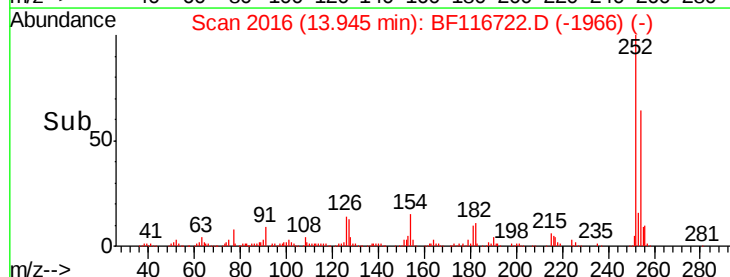
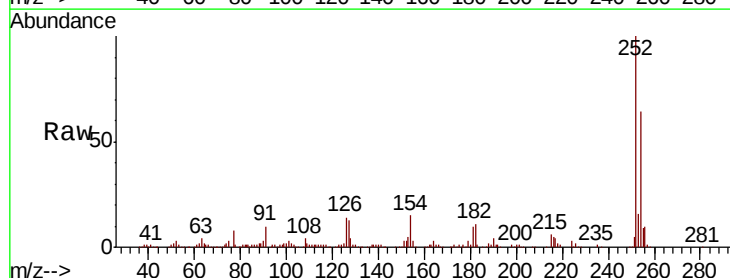
RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF116722.D

Acq: 1 Sep 2019 3:40

Tgt Ion:	252	Resp:	238412
Ion Ratio		Lower	Upper
252	100		
254	63.5	50.1	75.1
126	14.2	10.6	16.0





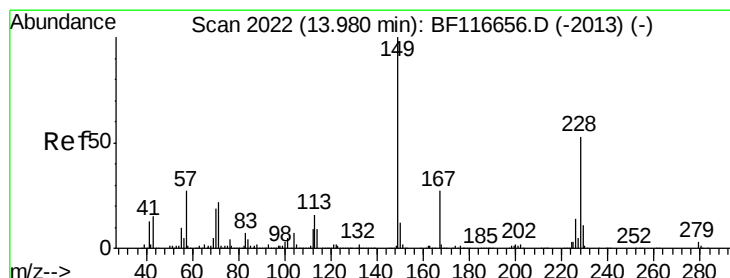
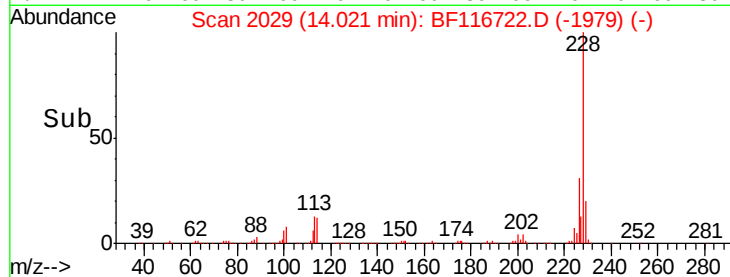
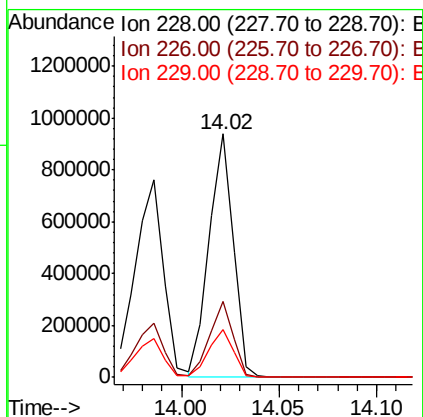
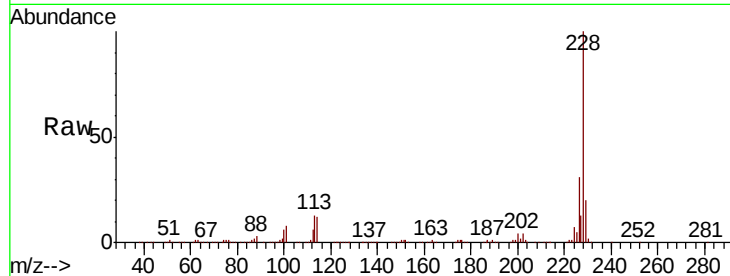
#83
 Chrvsene
 Concen: 51.630 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.6	15.4	23.0

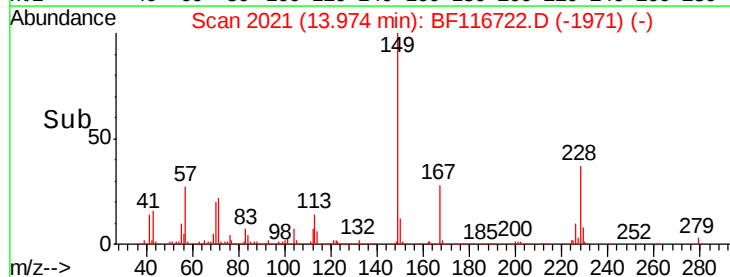
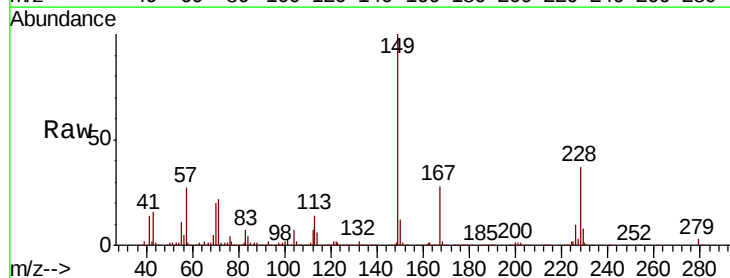
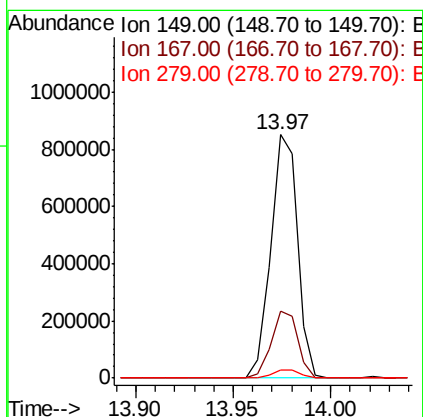
Manual Integrations
 APPROVED

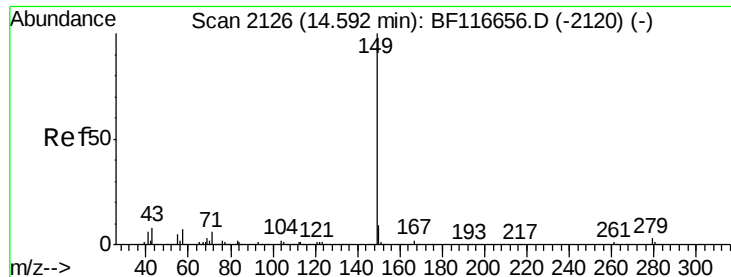
mohammad
 9/5/2019 9:23:50 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 62.763 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF116722.D
 Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.0	31.4
279	3.1	2.8	4.2





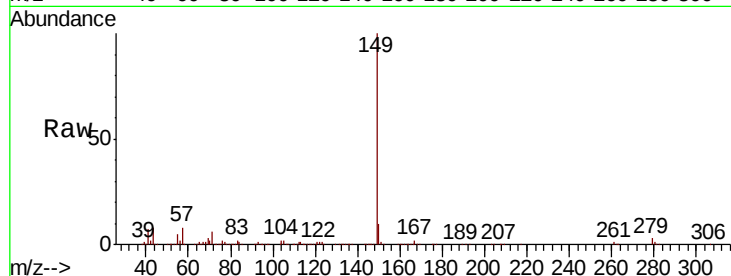
#85
Di-n-octyl phthalate
Concen: 63.611 ng
RT: 14.59 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

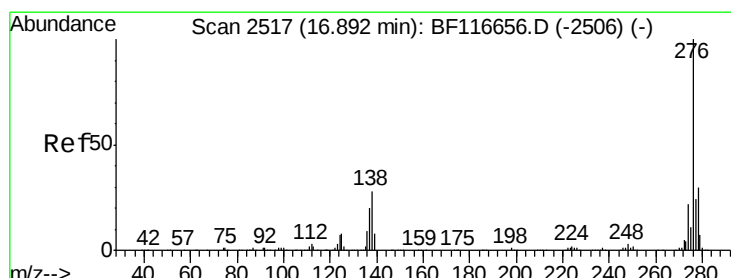
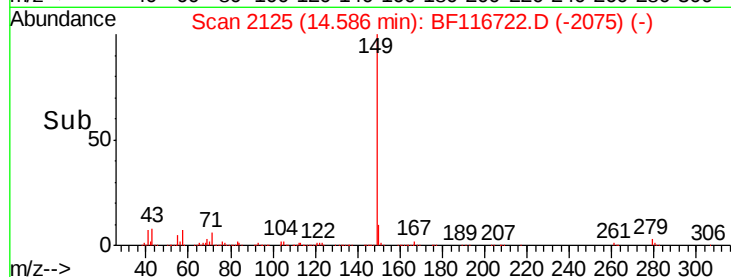
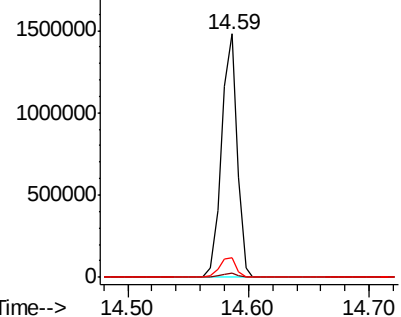
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	7.8	11.8

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM

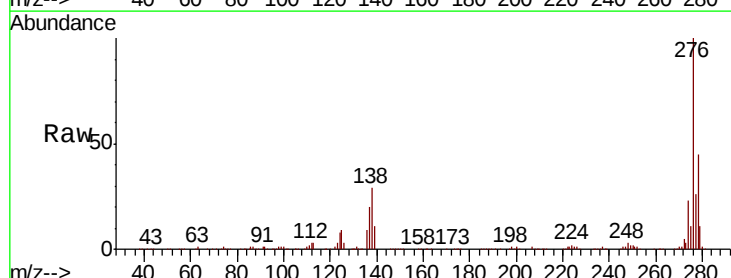


Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

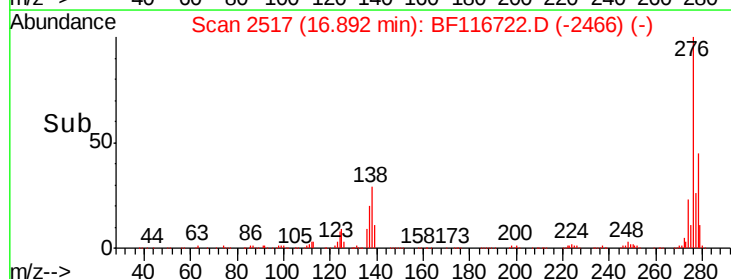
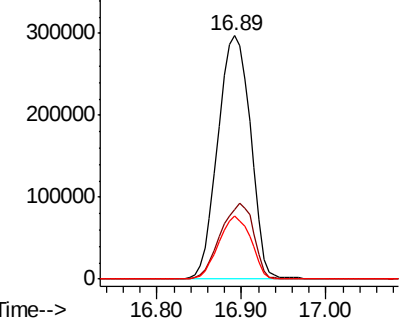


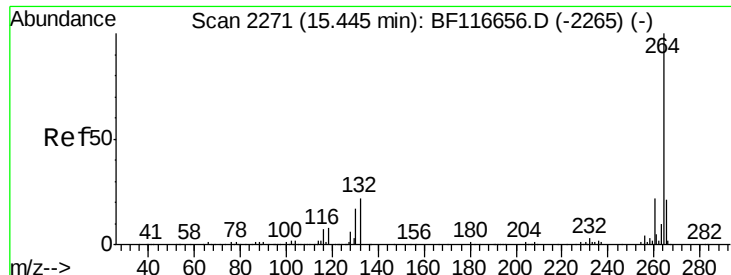
#86
Indeno(1,2,3-cd)pyrene
Concen: 63.349 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.6	19.4	29.2#
277	25.5	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
400000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





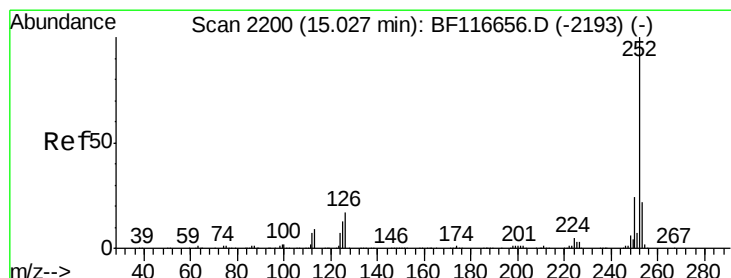
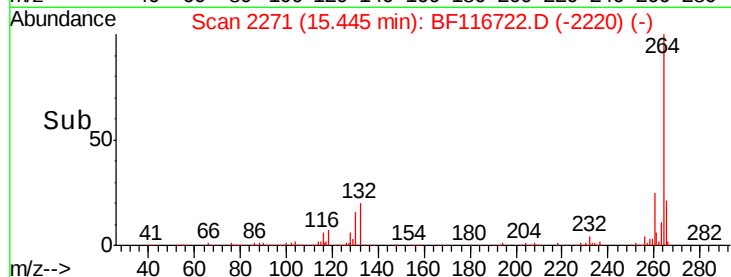
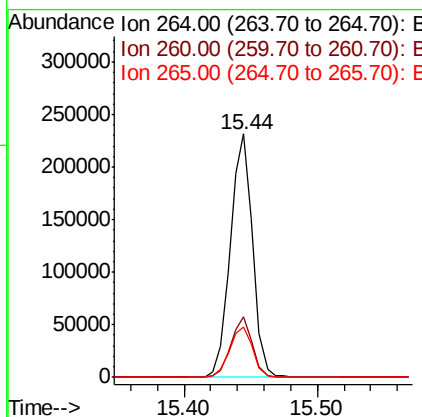
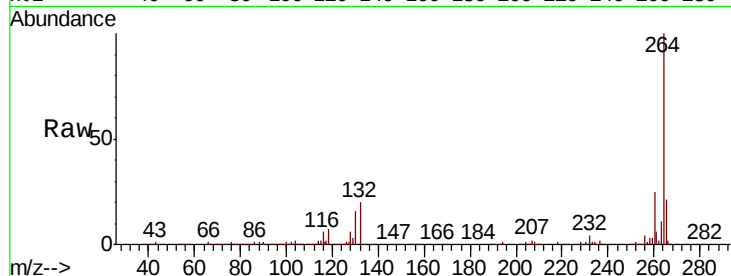
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.3	27.5
265	20.8	16.5	24.7

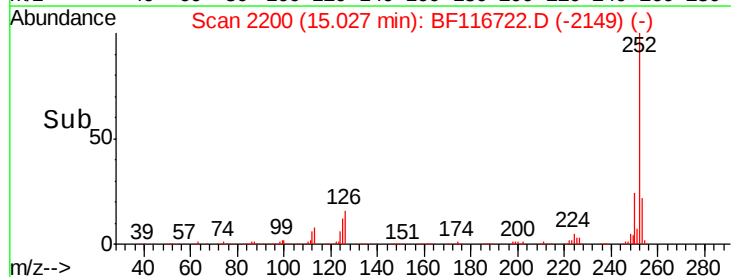
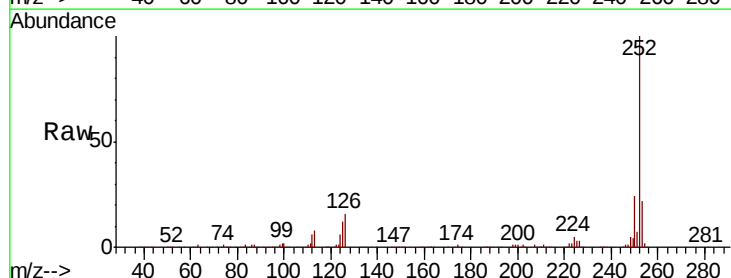
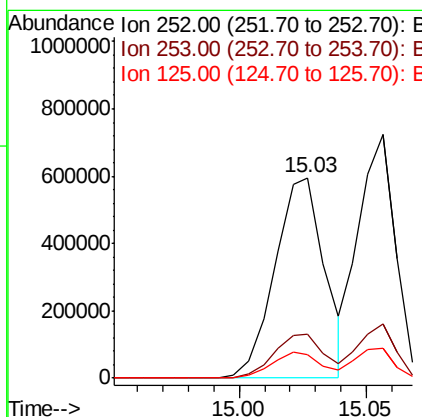
Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#88
Benzo(b)fluoranthene
Concen: 49.902 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	12.0	8.2	12.2





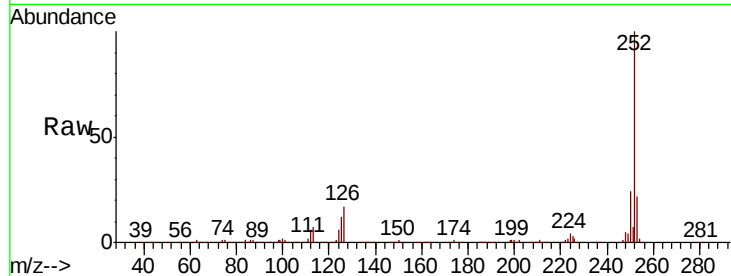
#89
Benzo(k)fluoranthene
Concen: 49.694 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.4	8.6	13.0

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM

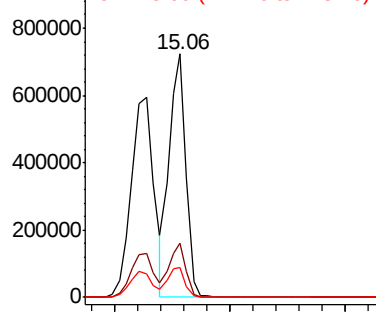


Abundance

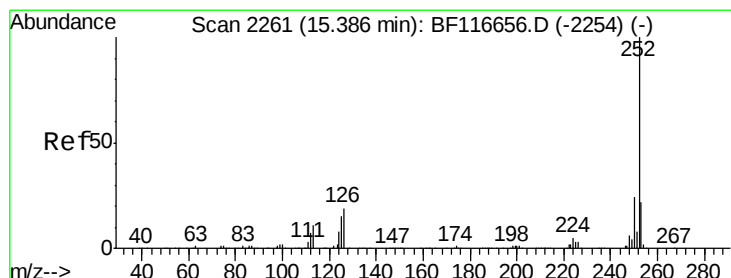
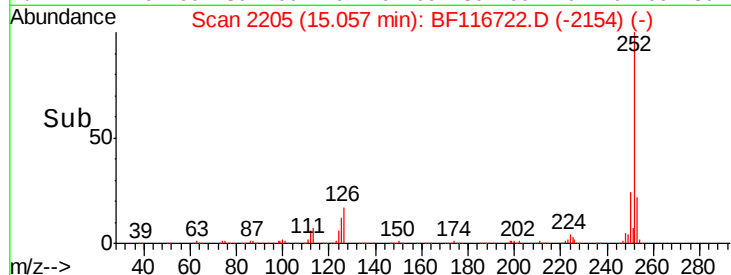
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90
Benzo(a)pyrene
Concen: 54.131 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

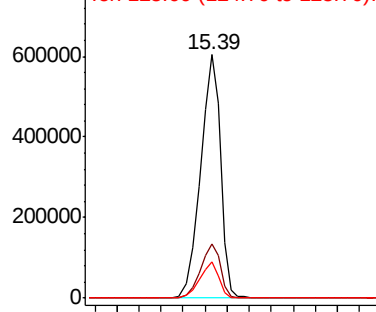
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.7	9.8	14.8

Abundance

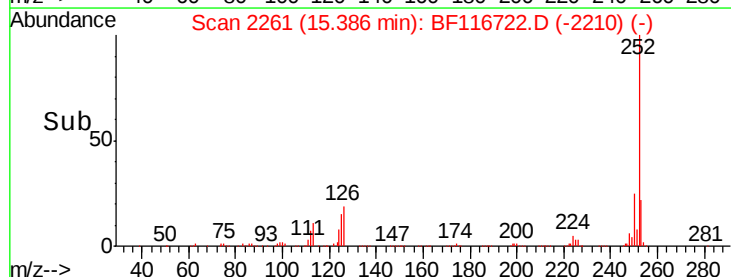
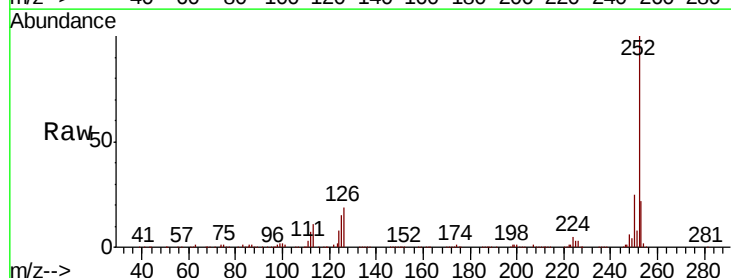
Ion 252.00 (251.70 to 252.70): E

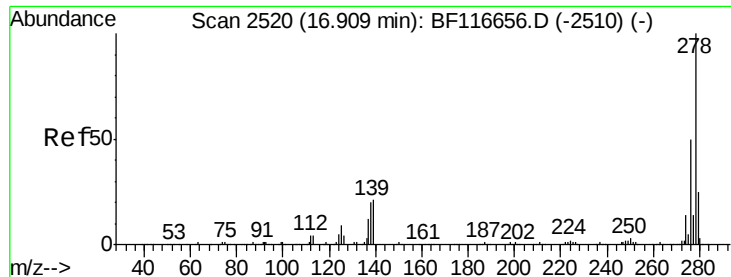
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





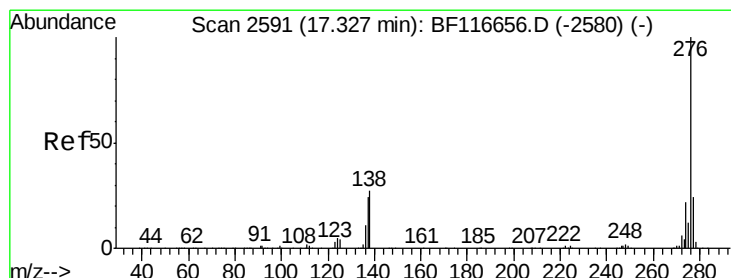
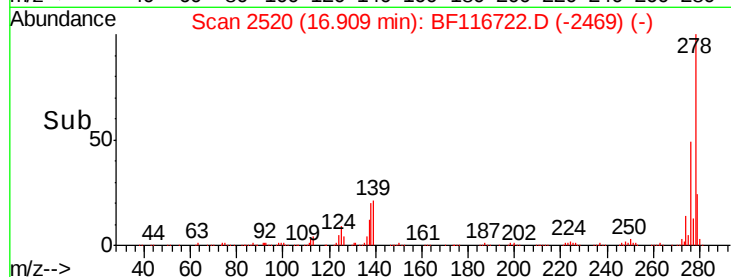
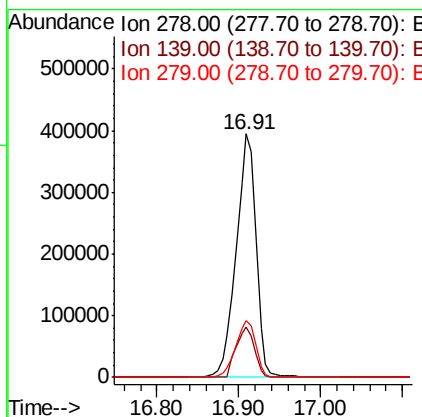
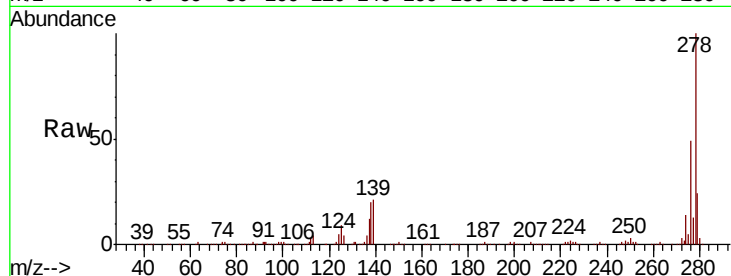
#91
Dibenzo(a,h)anthracene
Concen: 54.109 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.4	18.6#
279	23.5	18.2	27.4

Manual Integrations
APPROVED

mohammad
9/5/2019 9:23:50 AM



#92
Benzo(g,h,i)perylene
Concen: 49.476 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116722.D
Acq: 1 Sep 2019 3:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	25.9	16.2	24.2#

