

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116014.D
 Acq On : 6 Aug 2019 15:42
 Operator : HP/JU
 Sample : K4135-16MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:59 PM

Quant Time: Aug 07 03:54:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138422	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	526267	20.00	ng	-0.01
39) Acenaphthene-d10	9.88	164	278059	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	467904	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	293185	20.00	ng	-0.02
87) Perylene-d12	15.47	264	385901	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	965968	116.82	ng	0.00
7) Phenol-d6	6.49	99	1283157	123.00	ng	0.00
23) Nitrobenzene-d5	7.41	82	823897	90.37	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	336153	124.69	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1355863	91.33	ng	-0.02
79) Terphenyl-d14	12.95	244	1360221	97.76	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	130328	31.200	ng	100
3) Pyridine	3.40	79	344498	29.523	ng	100
4) n-Nitrosodimethylamine	3.33	42	163570	35.521	ng	99
6) Aniline	6.51	93	449037	30.055	ng	98
8) 2-Chlorophenol	6.63	128	364501	39.865	ng	99
9) Benzaldehyde	6.39	77	200627	27.872	ng	95
10) Phenol	6.50	94	484655	39.450	ng	92
11) bis(2-Chloroethyl)ether	6.58	93	355954	39.410	ng	98
12) 1,3-Dichlorobenzene	6.79	146	389634	36.873	ng	99
13) 1,4-Dichlorobenzene	6.86	146	396292	37.455	ng	98
14) 1,2-Dichlorobenzene	7.02	146	366325	37.601	ng	99
15) Benzyl Alcohol	6.99	79	320114	40.433	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	475817	38.622	ng	92
17) 2-Methylphenol	7.10	107	316485	40.878	ng	98
18) Hexachloroethane	7.36	117	145249	37.287	ng	96
19) n-Nitroso-di-n-propylamine	7.26	70	255921	39.588	ng	98
20) 3+4-Methylphenols	7.25	107	379487	41.420	ng	# 80
22) Acetophenone	7.25	105	504586	43.718	ng	99
24) Nitrobenzene	7.43	77	408125	41.458	ng	95
25) Isophorone	7.66	82	739053	42.393	ng	100
26) 2-Nitrophenol	7.74	139	203319	43.815	ng	96
27) 2,4-Dimethylphenol	7.78	122	333472	47.765	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	450804	41.720	ng	99
29) 2,4-Dichlorophenol	7.99	162	321204	43.574	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	341326	40.620	ng	99
31) Naphthalene	8.15	128	1064733	42.994	ng	100
32) Benzoic acid	7.89	122	83313	16.926	ng	99
33) 4-Chloroaniline	8.19	127	323499	29.236	ng	98
34) Hexachlorobutadiene	8.26	225	193085	39.894	ng	99
35) Caprolactam	8.56	113	96006m	40.269	ng	
36) 4-Chloro-3-methylphenol	8.68	107	339001	44.206	ng	96
37) 2-Methylnaphthalene	8.84	142	715363	43.861	ng	99
38) 1-Methylnaphthalene	8.93	142	667772	43.278	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	324765	43.689	ng	100

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116014.D
 Acq On : 6 Aug 2019 15:42
 Operator : HP/JU
 Sample : K4135-16MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

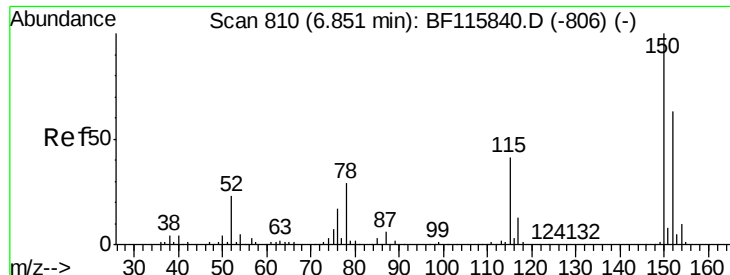
Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:59 PM

Quant Time: Aug 07 03:54:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	166947	52.245	ng	100
43) 2,4,6-Trichlorophenol	9.12	196	212133	41.459	ng	99
44) 2,4,5-Trichlorophenol	9.16	196	226665	42.855	ng	99
46) 1,1'-Biphenyl	9.30	154	868391	44.236	ng	99
47) 2-Chloronaphthalene	9.33	162	685286	41.943	ng	99
48) 2-Nitroaniline	9.42	65	222493	41.198	ng	90
49) Acenaphthylene	9.74	152	1052226	44.143	ng	99
50) Dimethylphthalate	9.60	163	934557	49.362	ng	100
51) 2,6-Dinitrotoluene	9.66	165	182751	44.417	ng	91
52) Acenaphthene	9.92	154	666319	45.565	ng	100
53) 3-Nitroaniline	9.83	138	161760	31.818	ng	93
54) 2,4-Dinitrophenol	9.95	184	75461	40.351	ng	93
55) Dibenzofuran	10.09	168	958190	45.057	ng	99
56) 4-Nitrophenol	10.01	139	276663	84.951	ng	93
57) 2,4-Dinitrotoluene	10.07	165	236050	43.091	ng	98
58) Fluorene	10.43	166	764816	46.744	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	186842	41.989	ng	98
60) Diethylphthalate	10.30	149	791108	44.756	ng	100
61) 4-Chlorophenyl-phenylether	10.42	204	360046	43.450	ng	100
62) 4-Nitroaniline	10.45	138	206030	39.215	ng	98
63) Azobenzene	10.57	77	805124	44.284	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	81514	32.874	ng	97
66) n-Nitrosodiphenylamine	10.53	169	652325	46.319	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	220426	44.007	ng	99
68) Hexachlorobenzene	10.98	284	244070	42.139	ng	98
69) Atrazine	11.06	200	204851	44.214	ng	99
70) Pentachlorophenol	11.18	266	194877	69.302	ng	98
71) Phenanthrene	11.39	178	1667078	69.693	ng	99
72) Anthracene	11.45	178	1240613	51.247	ng	99
73) Carbazole	11.60	167	985979	44.893	ng	99
74) Di-n-butylphthalate	11.92	149	1199563	46.820	ng	100
75) Fluoranthene	12.59	202	1839569	73.459	ng	97
77) Benzidine	12.70	184	570791	57.626	ng	97
78) Pyrene	12.82	202	1735532	78.528	ng	99
80) Butylbenzylphthalate	13.42	149	457908	48.981	ng	96
81) Benzo(a)anthracene	14.00	228	1236047	65.960	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	254425	39.080	ng	# 98
83) Chrysene	14.03	228	1110568	61.044	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	632911	52.098	ng	99
85) Di-n-octyl phthalate	14.59	149	1036434	53.712	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	1326379	86.804	ng	100
88) Benzo(b)fluoranthene	15.05	252	1312619m	58.827	ng	
89) Benzo(k)fluoranthene	15.08	252	1008567	46.406	ng	99
90) Benzo(a)pyrene	15.42	252	1189049	59.612	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	939389	54.408	ng	98
92) Benzo(g,h,i)perylene	17.39	276	1121911	66.164	ng	99

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



#1

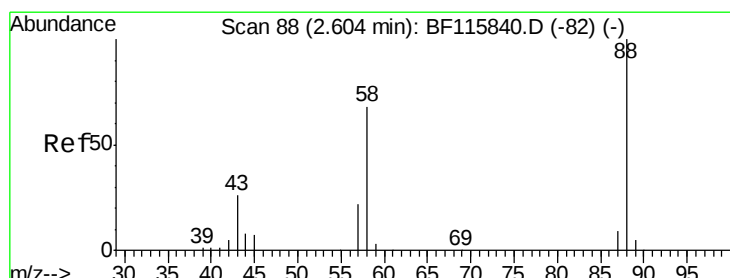
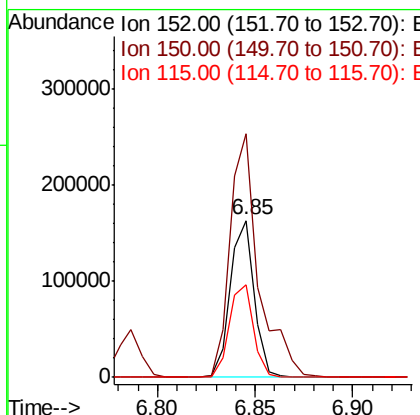
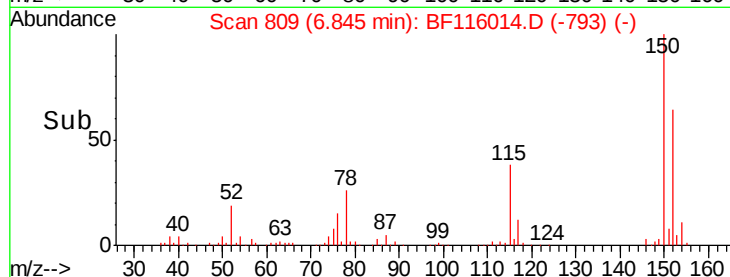
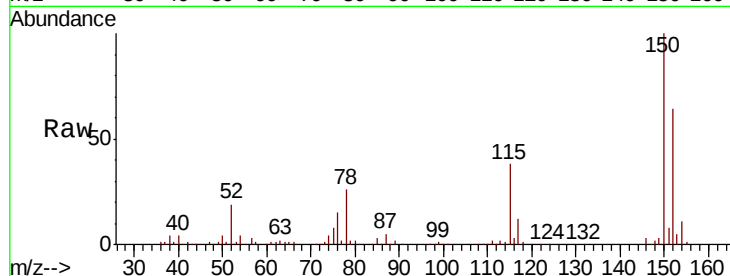
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.4	191.0
115	58.7	51.8	77.8

Manual Integrations
APPROVED

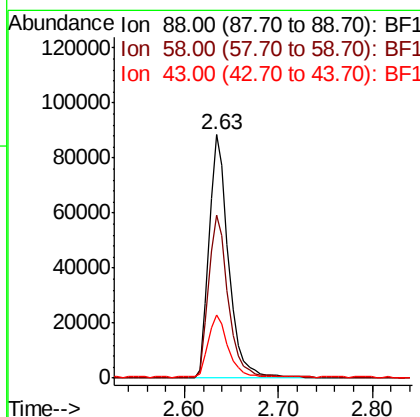
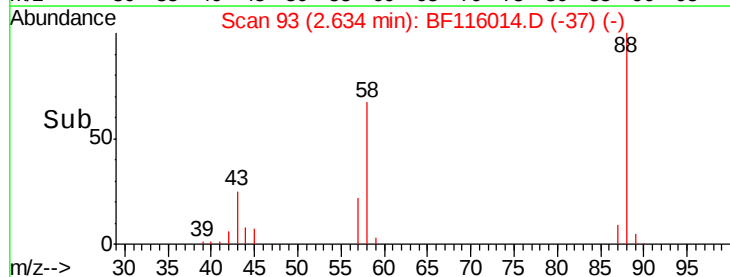
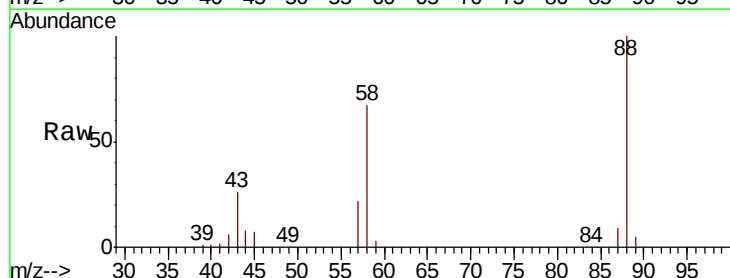
mohammad
8/7/2019 4:41:59 PM

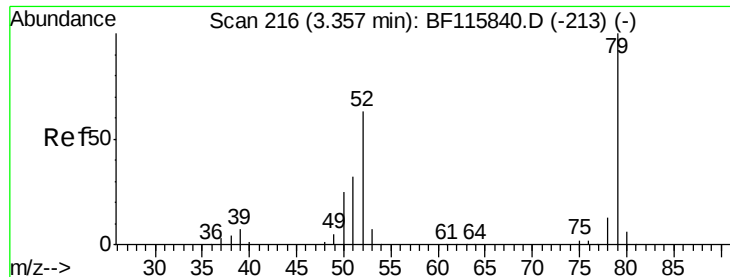


#2

1,4-Dioxane
Concen: 31.200 ng
RT: 2.63 min Scan# 93
Delta R.T. 0.03 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	54.1	81.1
43	25.9	20.7	31.1





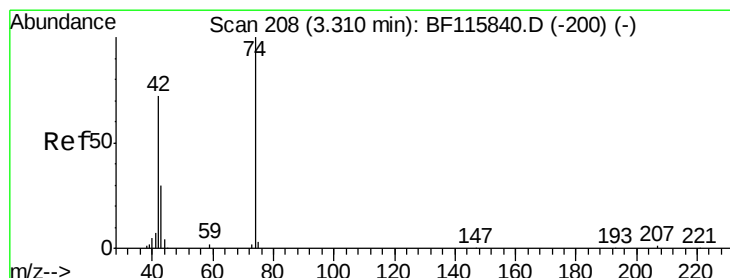
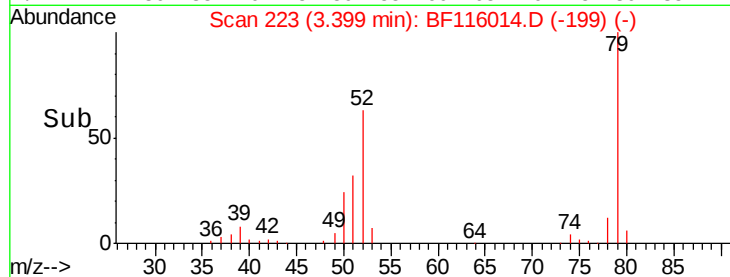
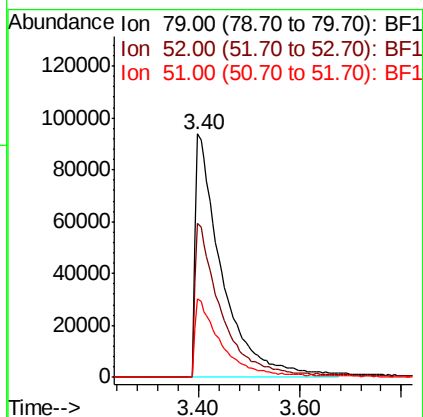
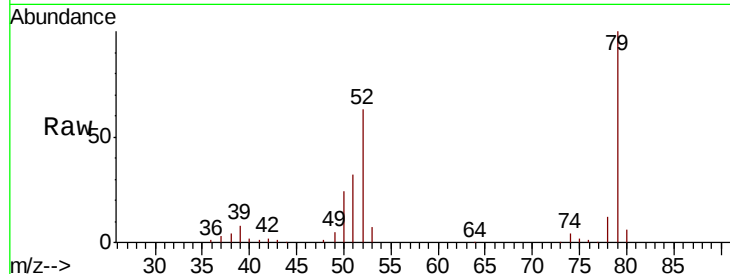
#3
 Pvridine
 Concen: 29.523 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.04 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	63.0	50.2	75.4
51	32.2	25.8	38.6

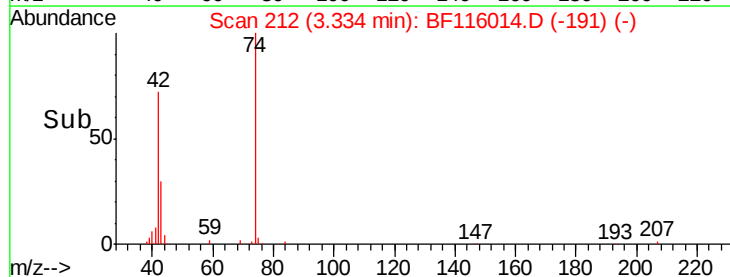
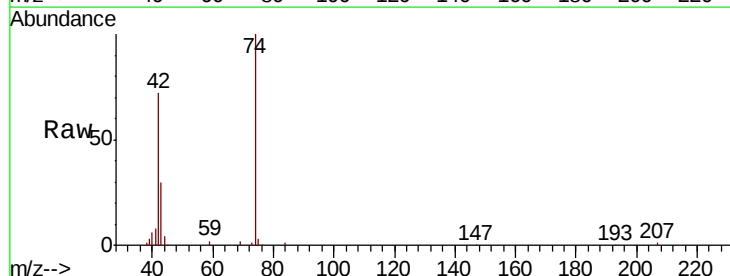
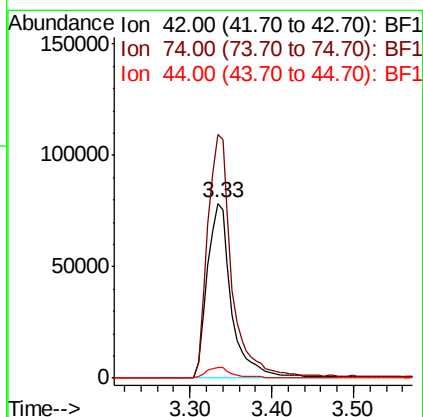
Manual Integrations
 APPROVED

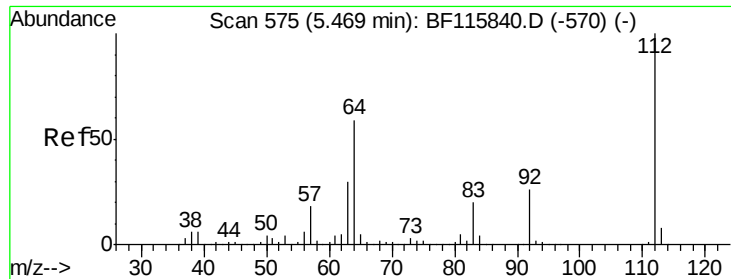
mohammad
 8/7/2019 4:41:59 PM



#4
 n-Nitrosodimethylamine
 Concen: 35.521 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
42	100		
74	139.5	111.0	166.4
44	6.1	4.7	7.1





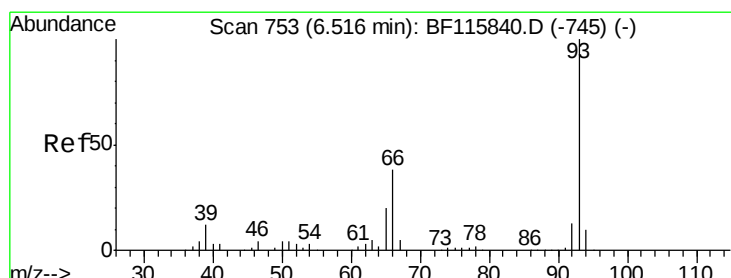
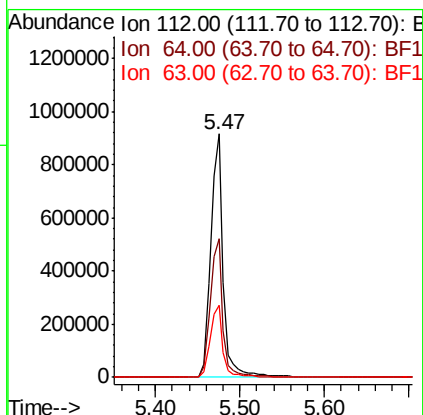
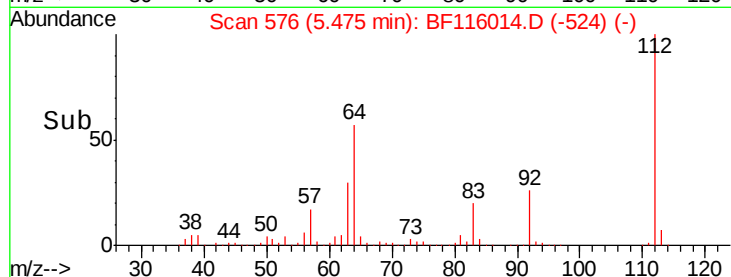
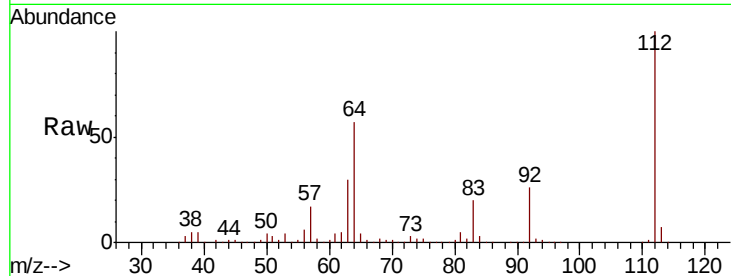
#5
2-Fluorophenol
Concen: 116.823 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	56.8	46.8	70.2
63	29.6	24.2	36.2

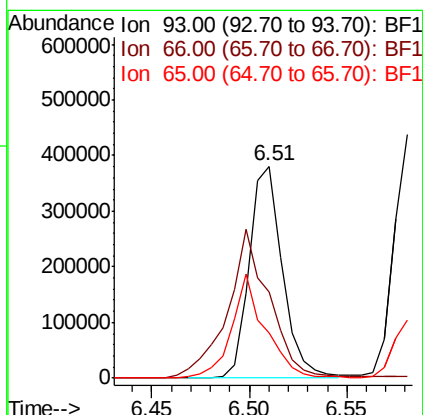
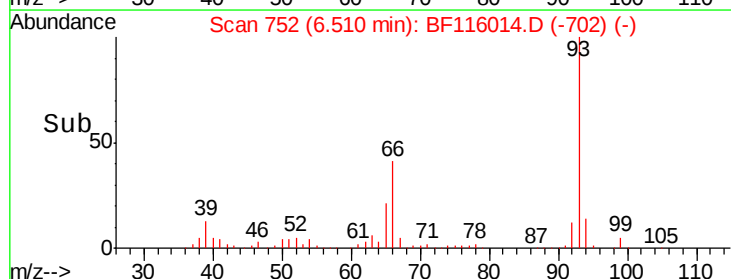
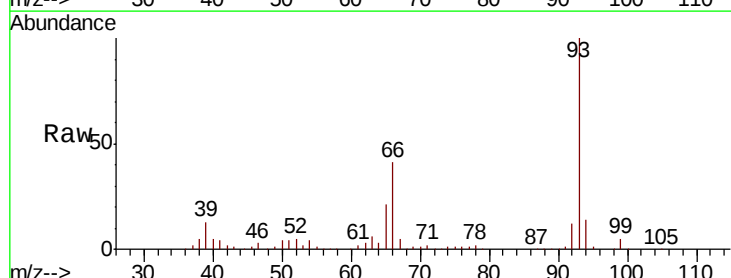
Manual Integrations
APPROVED

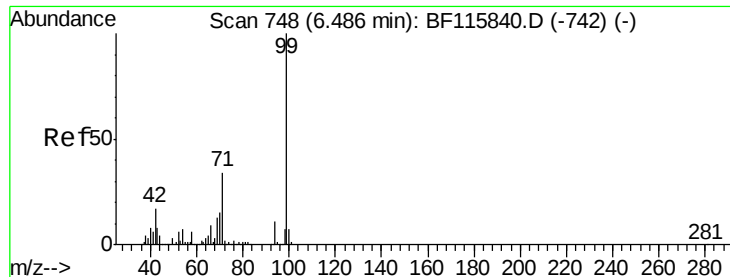
mohammad
8/7/2019 4:41:59 PM



#6
Aniline
Concen: 30.055 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	40.6	31.4	47.0
65	21.2	16.5	24.7





#7

Phenol-d6

Concen: 122.998 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion: 99 Resp: 1283157

Ion Ratio Lower Upper

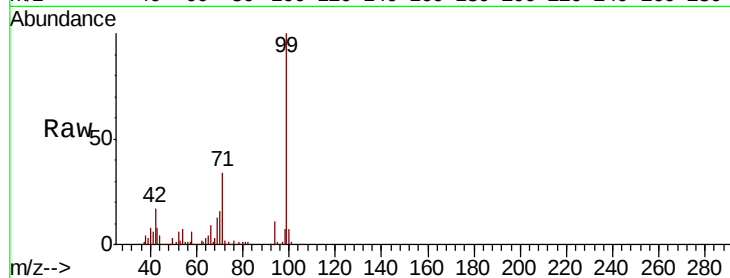
99 100

42 17.0 13.8 20.6

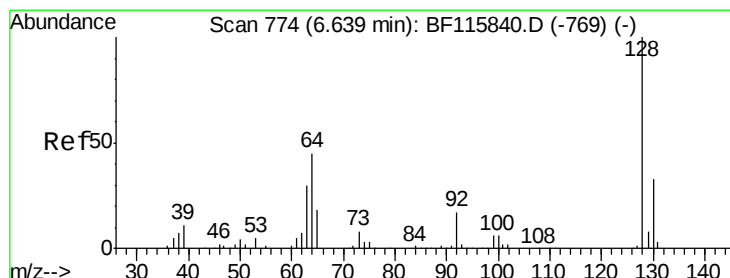
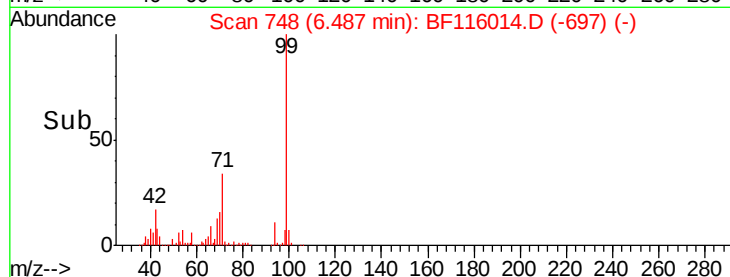
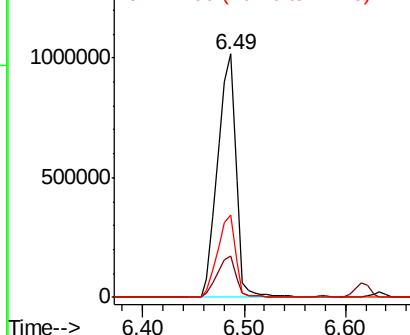
71 34.0 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



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



#8

2-Chlorophenol

Concen: 39.865 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

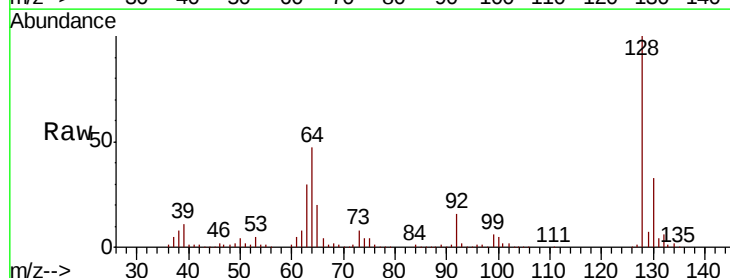
Tgt Ion: 128 Resp: 364501

Ion Ratio Lower Upper

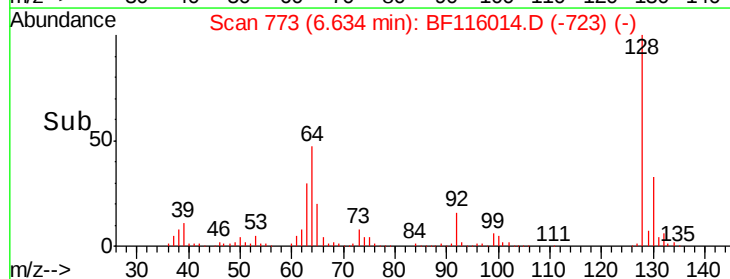
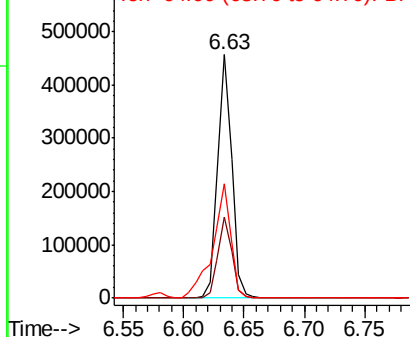
128 100

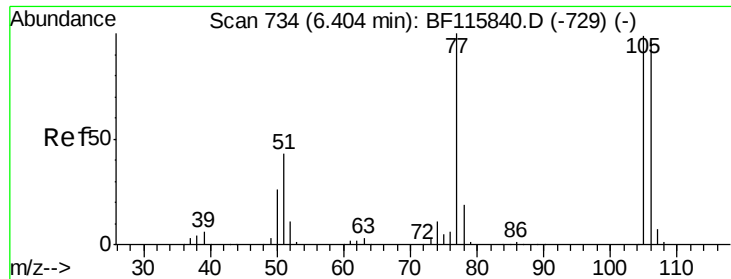
130 33.1 12.9 52.9

64 46.9 26.1 66.1



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





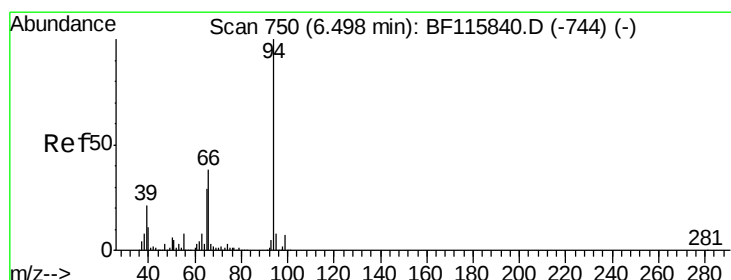
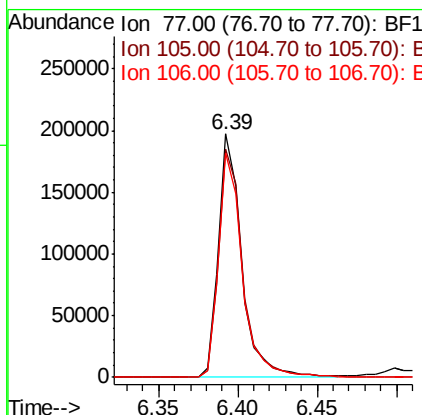
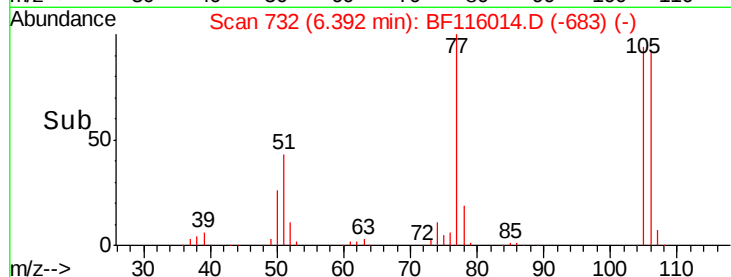
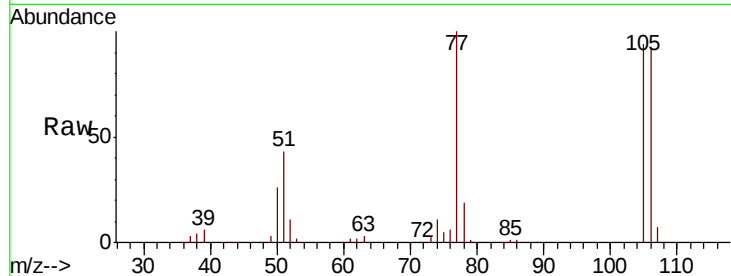
#9
Benzaldehyde
Concen: 27.872 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	93.9	79.0	119.0
106	92.1	76.2	116.2

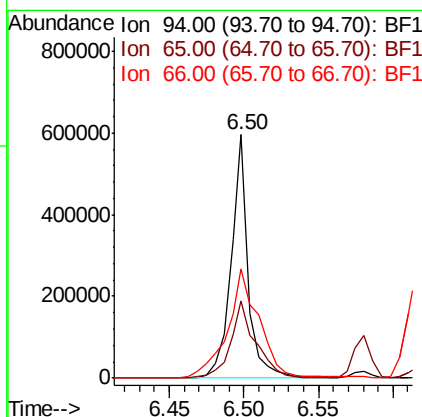
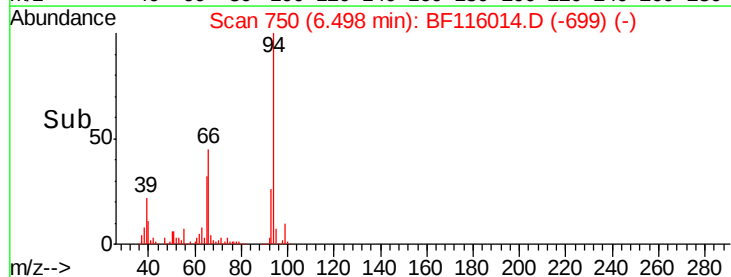
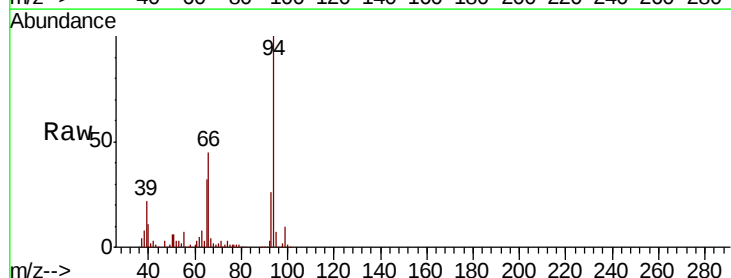
Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#10
Phenol
Concen: 39.450 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.5	8.9	48.9
66	44.7	18.0	58.0





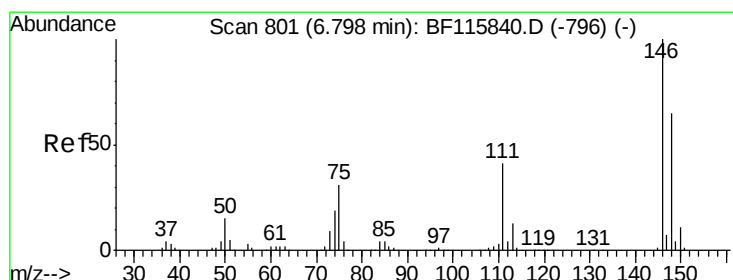
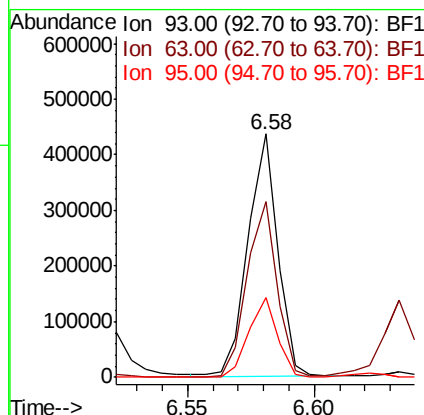
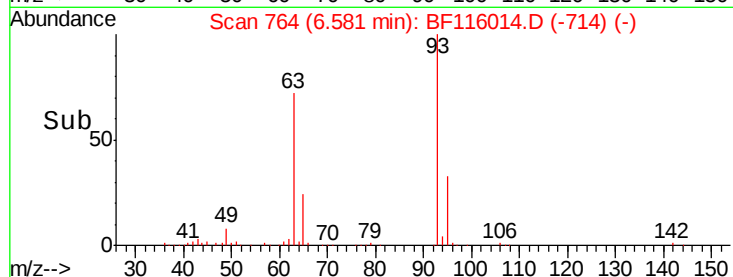
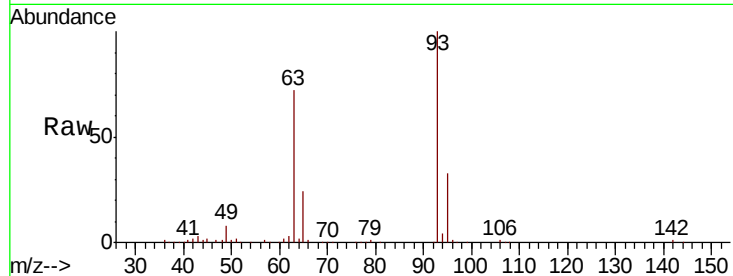
#11
bis(2-Chloroethyl)ether
Concen: 39.410 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion:	93	Resp:	355954
Ion Ratio	Lower	Upper	
93	100		
63	72.2	54.9	94.9
95	32.8	13.3	53.3

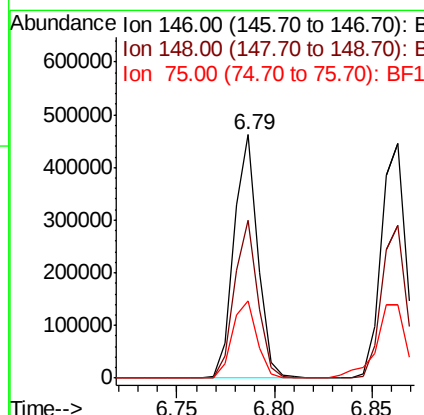
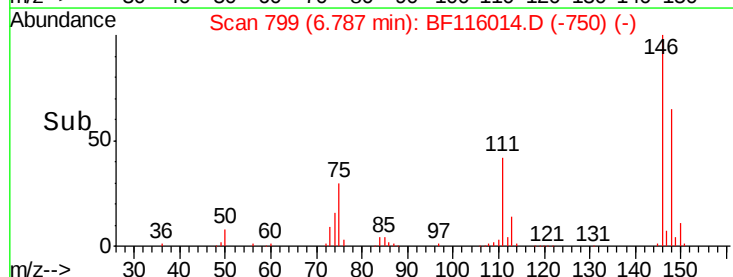
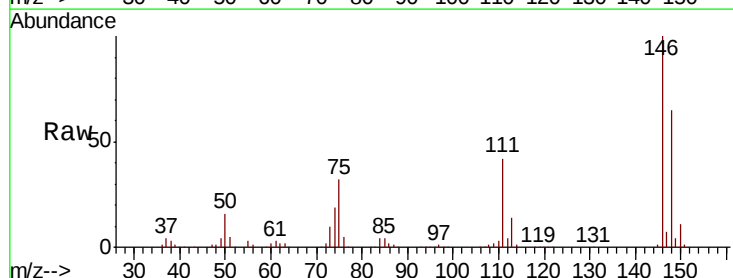
Manual Integrations
APPROVED

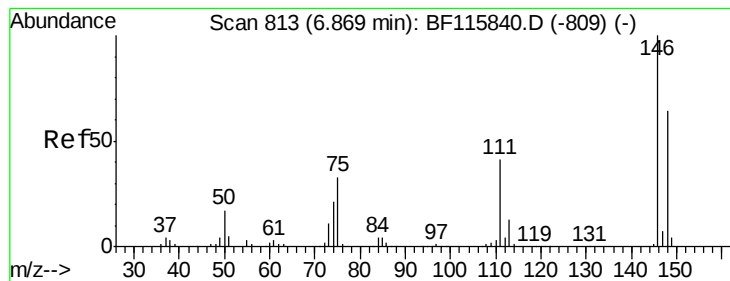
mohammad
8/7/2019 4:41:59 PM



#12
1,3-Dichlorobenzene
Concen: 36.873 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion:	146	Resp:	389634
Ion Ratio	Lower	Upper	
146	100		
148	64.9	52.1	78.1
75	32.0	25.0	37.6





#13

1,4-Dichlorobenzene

Concen: 37.455 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

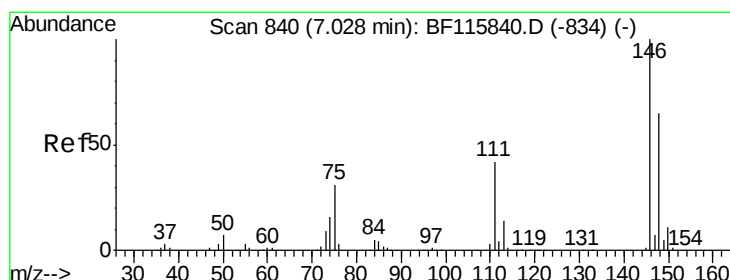
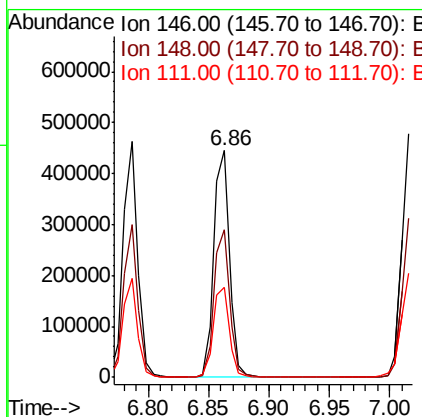
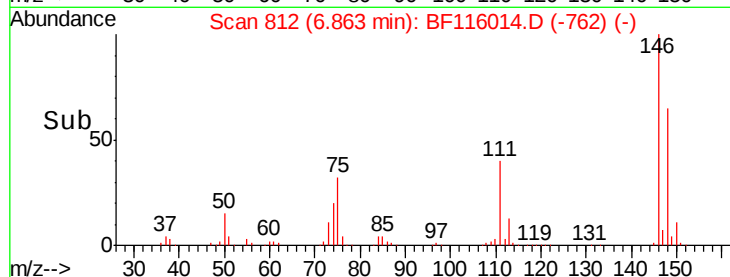
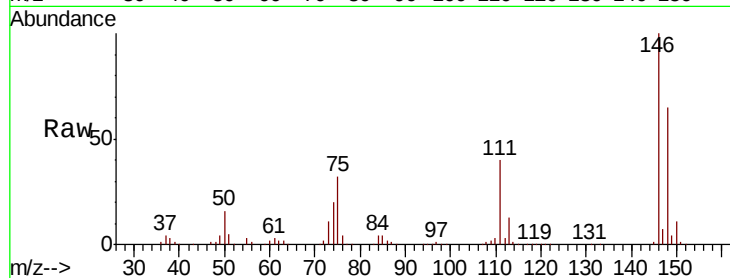
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:	146	Resp:	396292
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.2	76.8
111	40.0	33.2	49.8

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#14

1,2-Dichlorobenzene

Concen: 37.601 ng

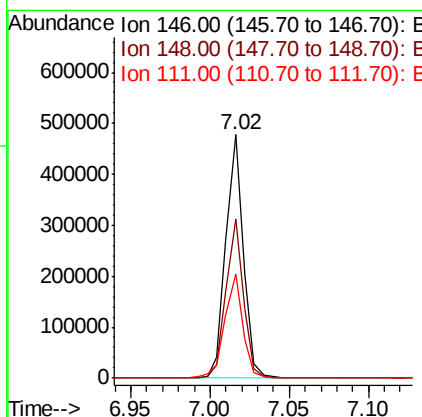
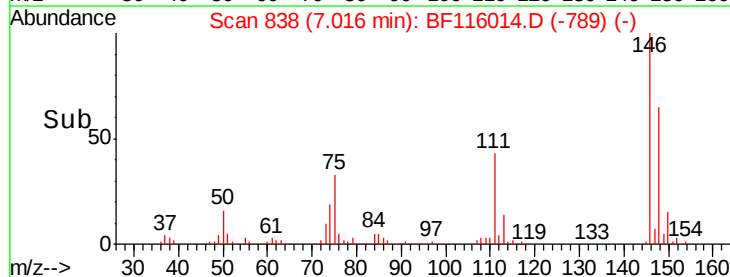
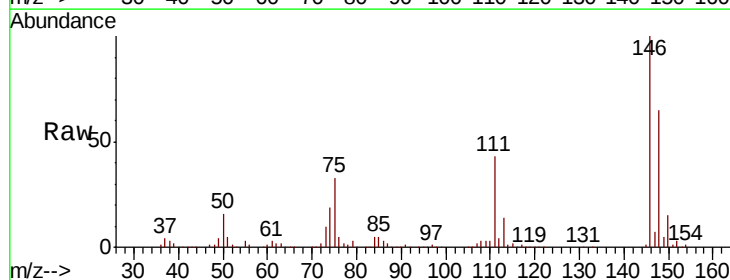
RT: 7.02 min Scan# 838

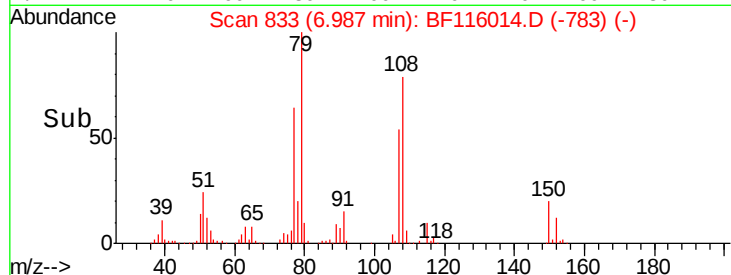
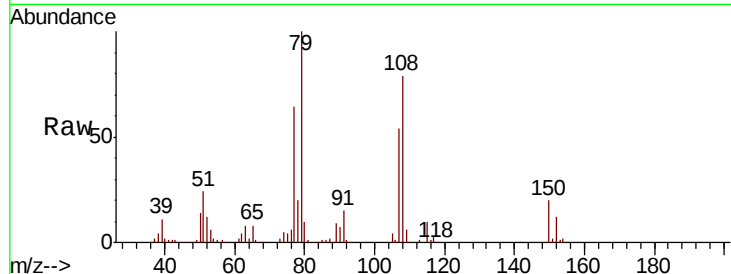
Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion:	146	Resp:	366325
Ion Ratio	Lower	Upper	
146	100		
148	65.4	51.6	77.4
111	42.9	33.6	50.4





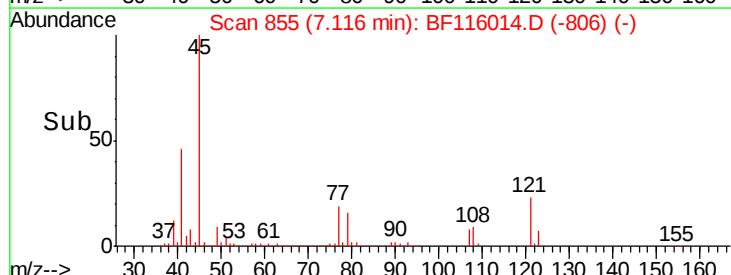
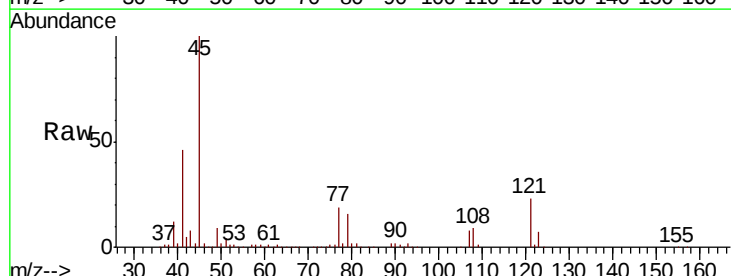
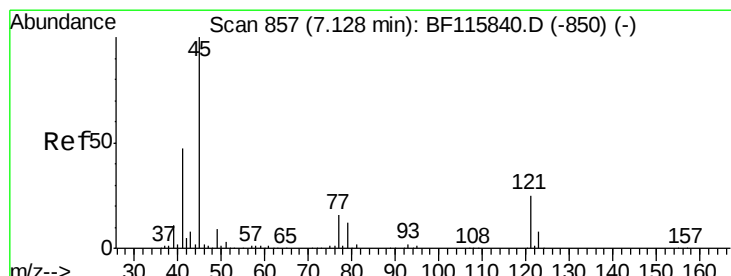
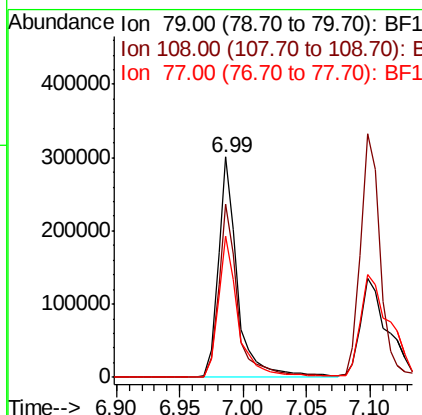
#15
Benzyl Alcohol
Concen: 40.433 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.6	62.8	94.2
77	64.0	52.0	78.0

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

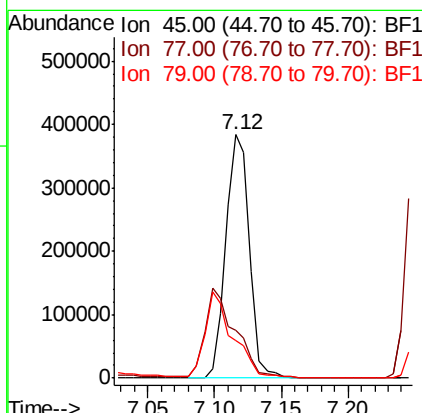
Manual Integrations
APPROVED

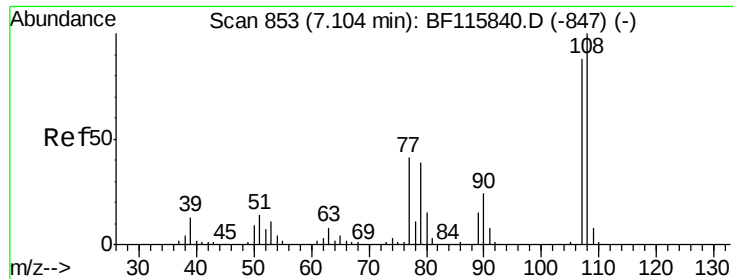
mohammad
8/7/2019 4:41:59 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.622 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.5	0.0	36.3
79	15.6	0.0	32.5





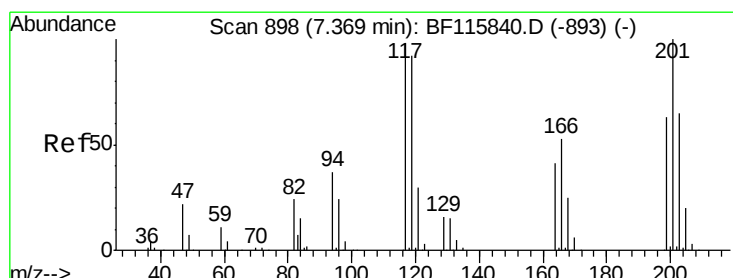
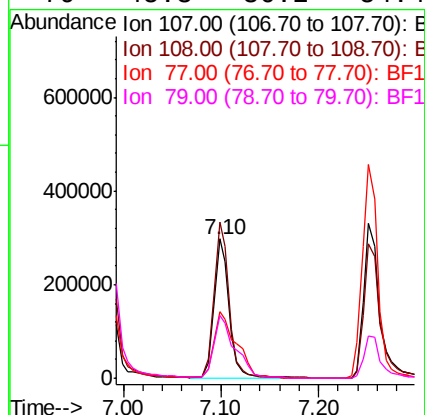
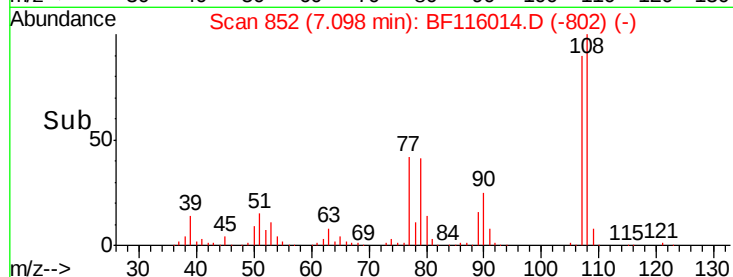
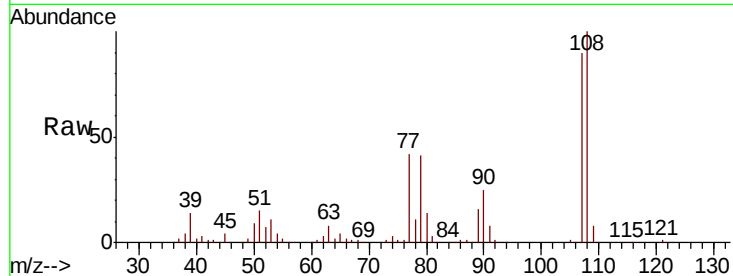
#17
2-Methylphenol
Concen: 40.878 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.5	91.4	137.0	
77	47.4	37.6	56.4	
79	45.3	36.2	54.4	

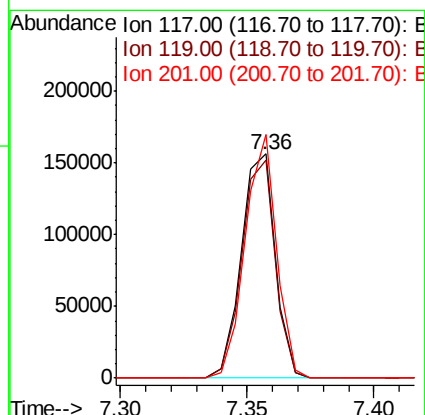
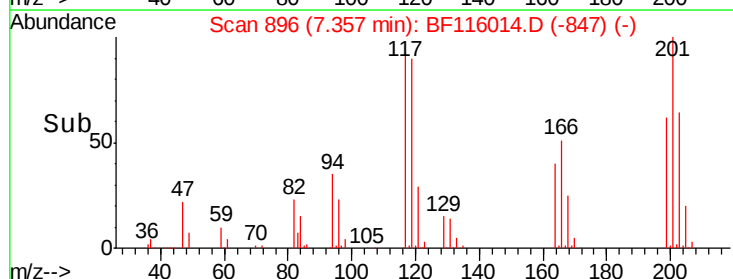
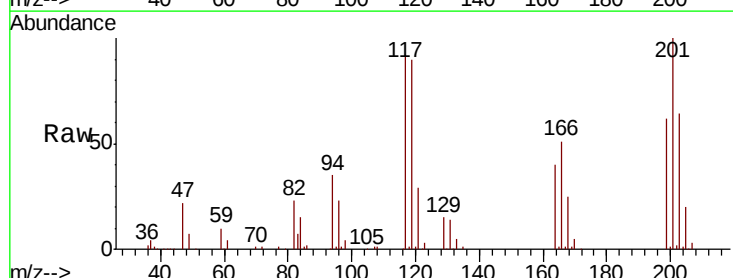
Manual Integrations
APPROVED

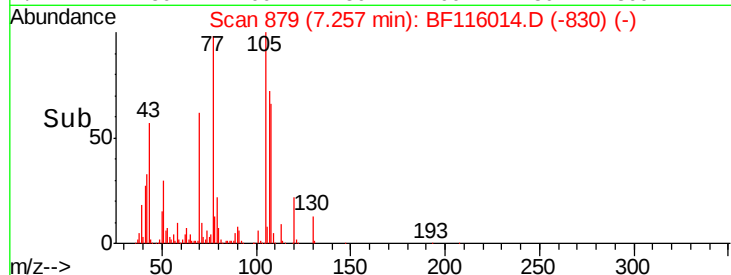
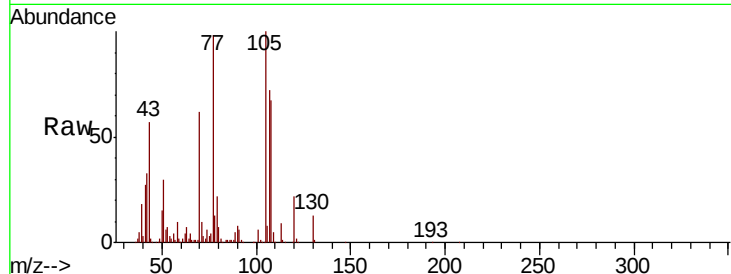
mohammad
8/7/2019 4:41:59 PM



#18
Hexachloroethane
Concen: 37.287 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	75.8	113.6	
201	108.6	82.0	123.0	





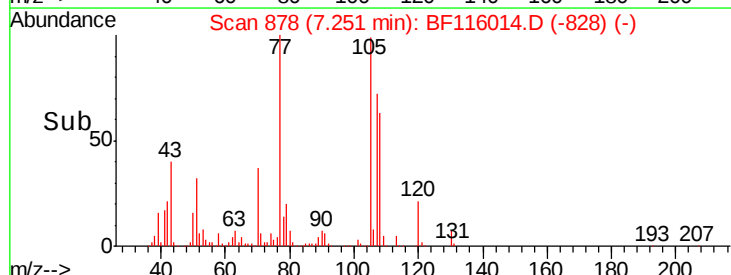
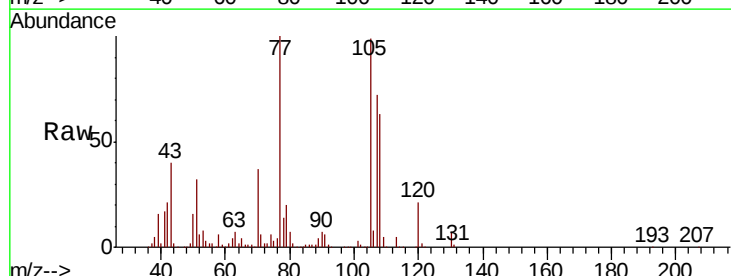
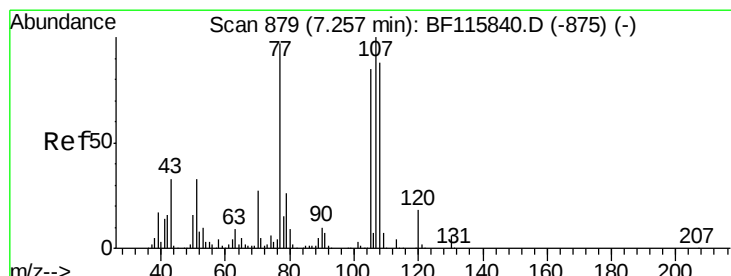
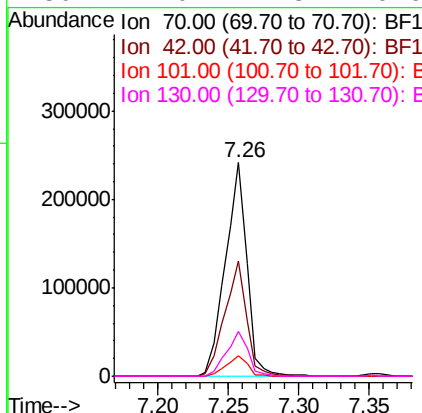
#19
n-Nitroso-di-n-propylamine
Concen: 39.588 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		255921		
42	53.9	41.8	62.8		
101	9.4	7.7	11.5		
130	21.0	17.8	26.6		

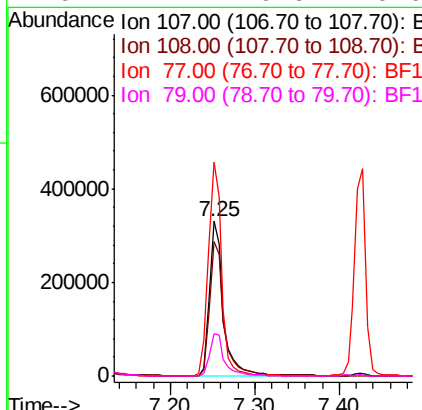
Manual Integrations
APPROVED

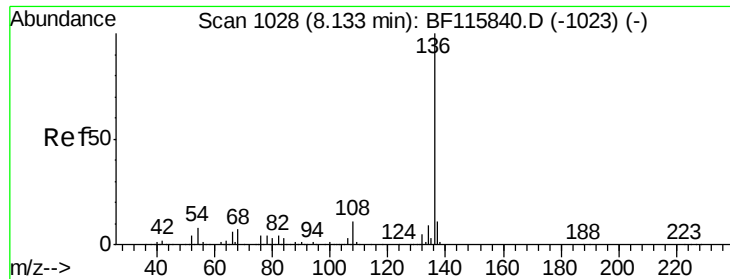
mohammad
8/7/2019 4:41:59 PM



#20
3+4-Methylphenols
Concen: 41.420 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		379487		
108	87.2	67.9	107.9		
77	138.2	77.3	117.3#		
79	27.1	6.6	46.6		





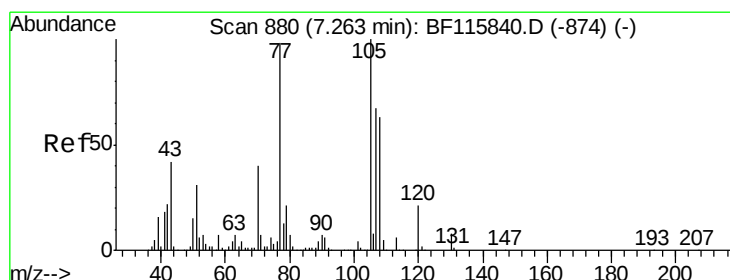
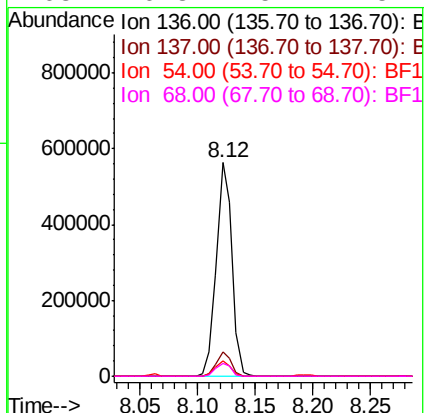
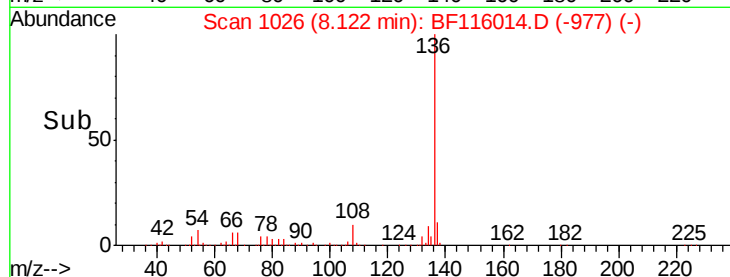
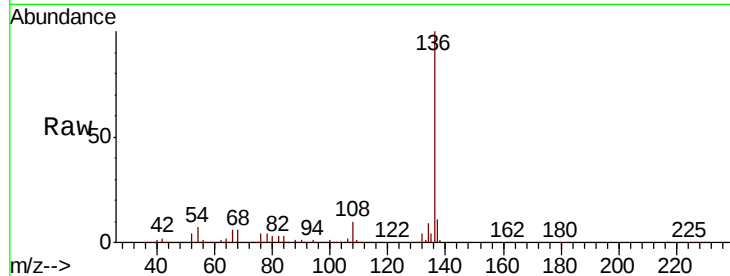
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.1	13.7	
54	7.4	6.1	9.1	
68	6.3	5.4	8.2	

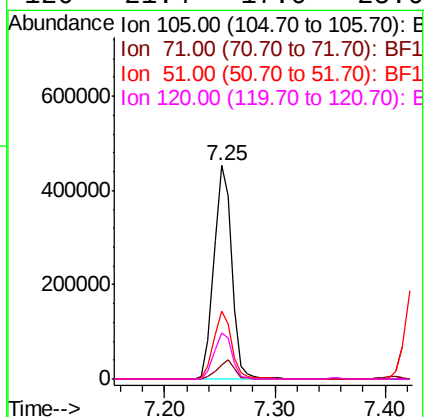
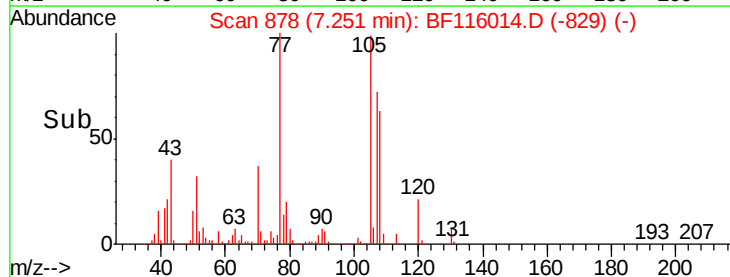
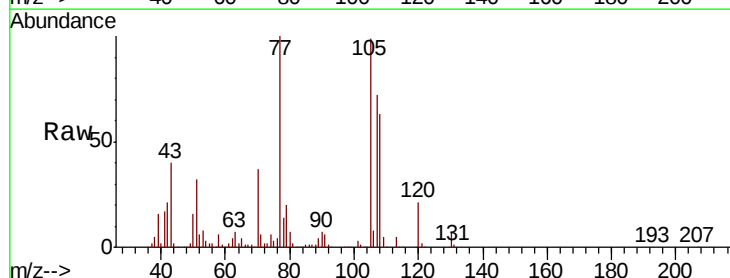
Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#22
Acetophenone
Concen: 43.718 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.4	5.4	8.0	
51	31.9	24.6	36.8	
120	21.4	17.0	25.6	





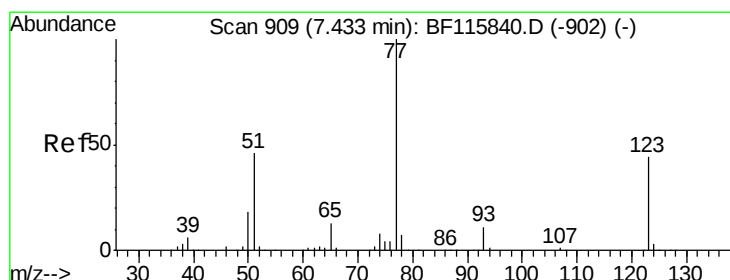
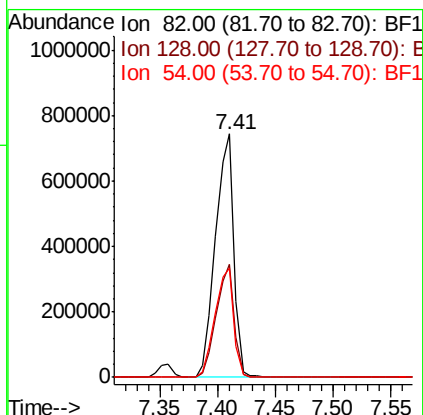
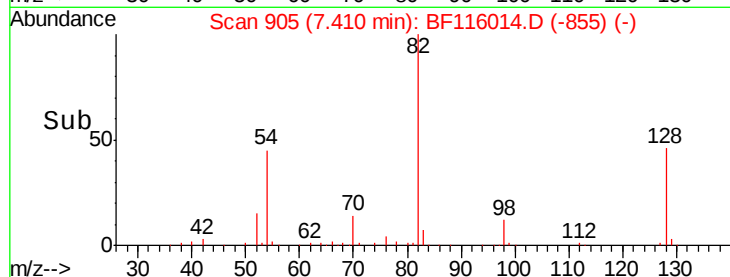
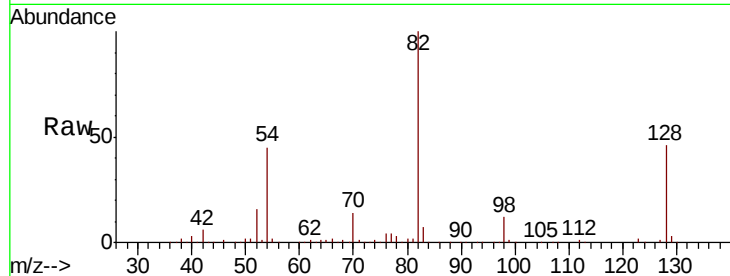
#23
 Nitrobenzene-d5
 Concen: 90.368 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.6	55.0
54	44.7	36.6	55.0

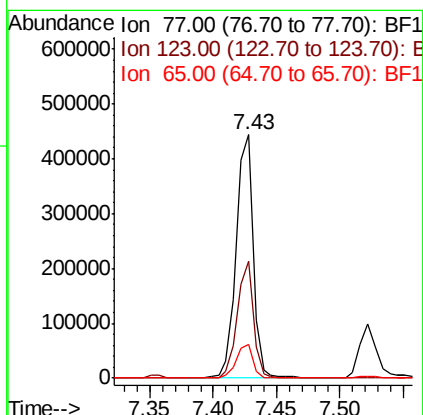
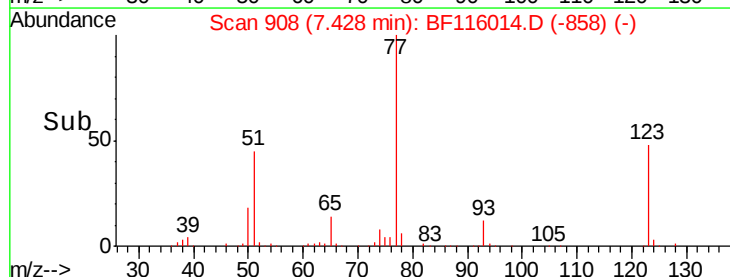
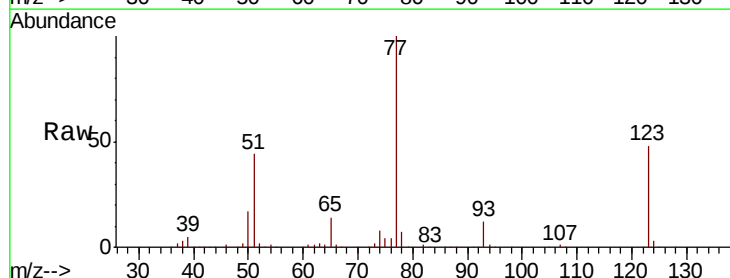
Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:59 PM



#24
 Nitrobenzene
 Concen: 41.458 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.1	35.5	53.3
65	13.6	10.6	15.8





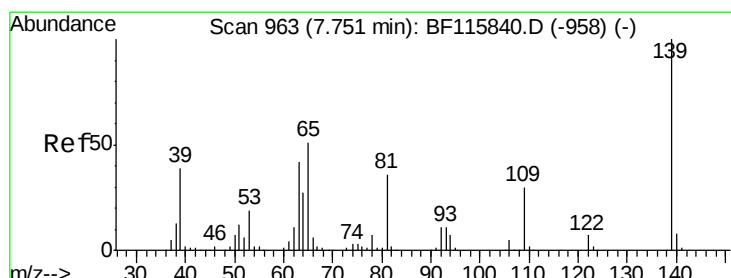
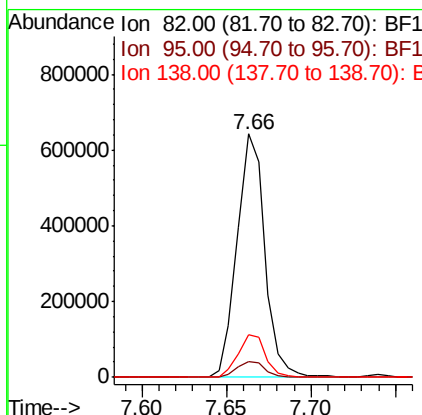
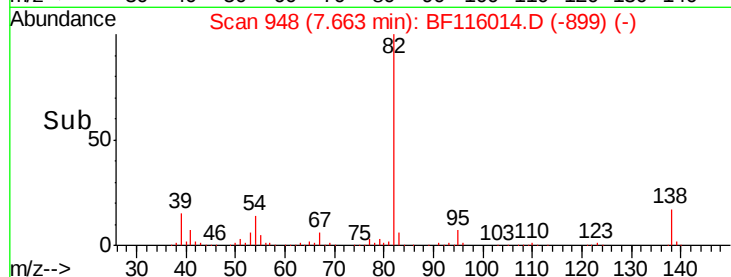
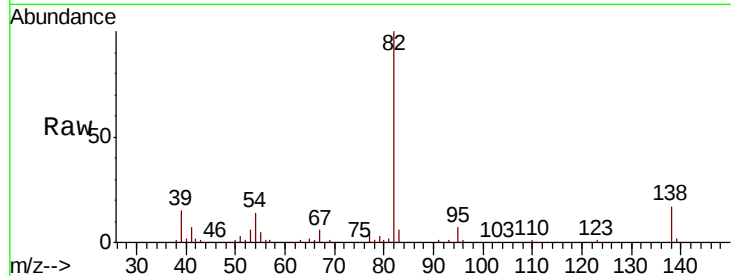
#25
Isophorone
Concen: 42.393 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.6	5.5	8.3	
138	17.4	13.9	20.9	

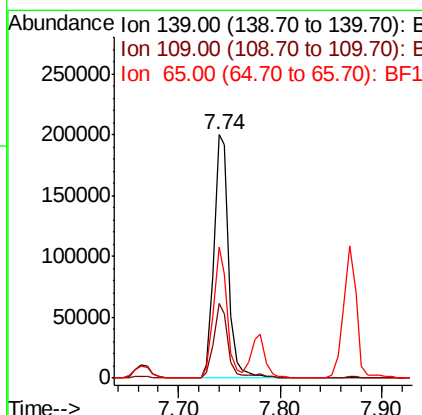
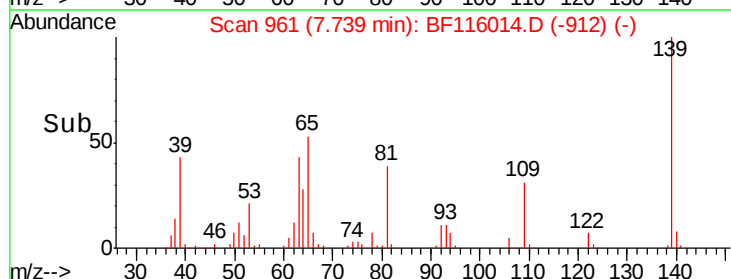
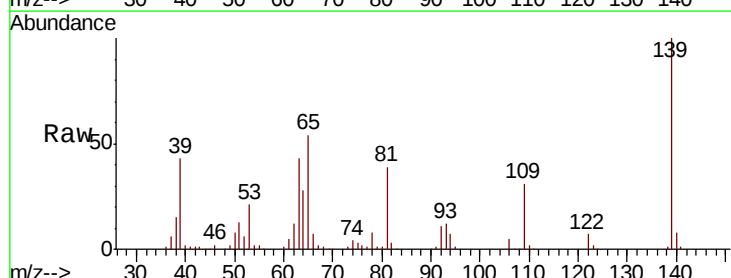
Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#26
2-Nitrophenol
Concen: 43.815 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	30.6	23.6	35.4	
65	53.7	40.6	60.8	





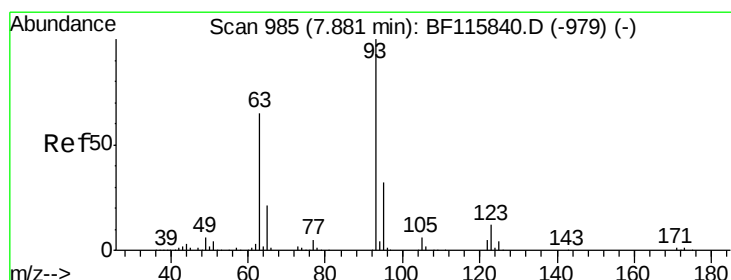
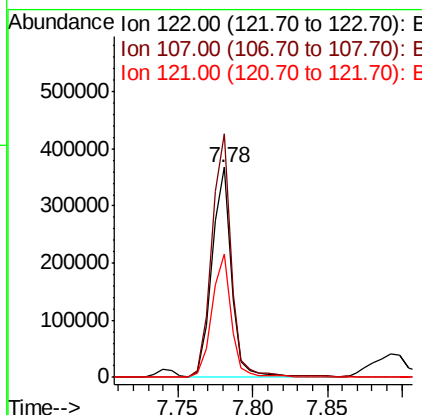
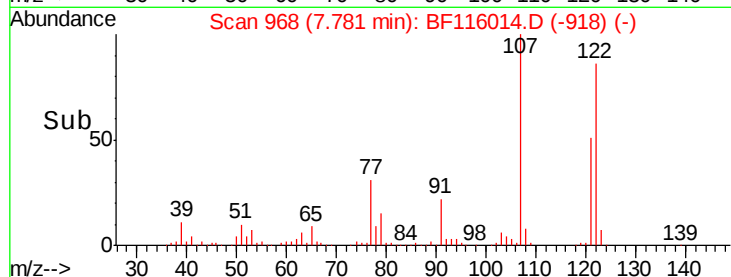
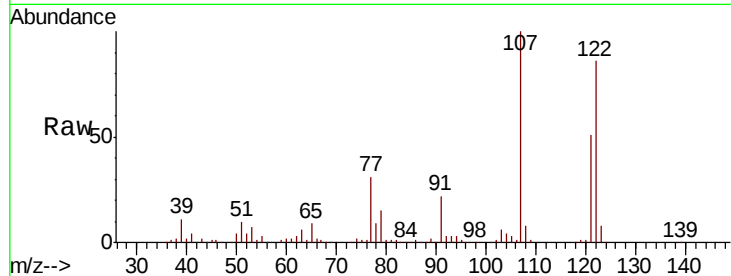
#27
 2,4-Dimethylphenol
 Concen: 47.765 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		333472		
107	116.1	91.7	137.5		
121	58.7	46.6	70.0		

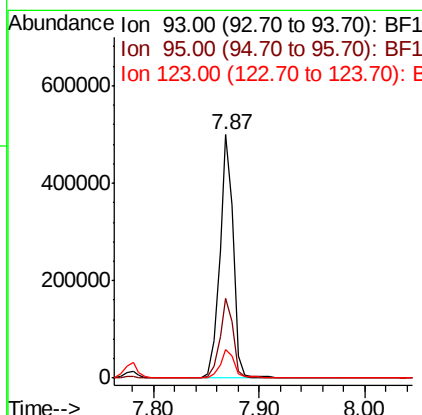
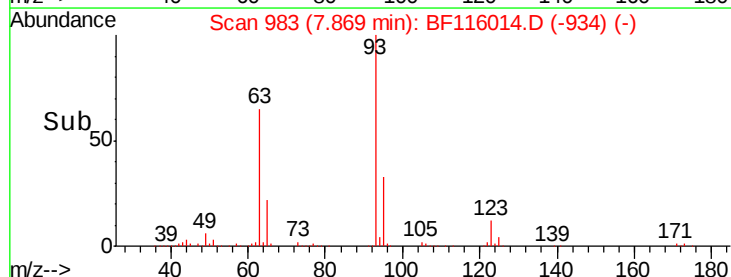
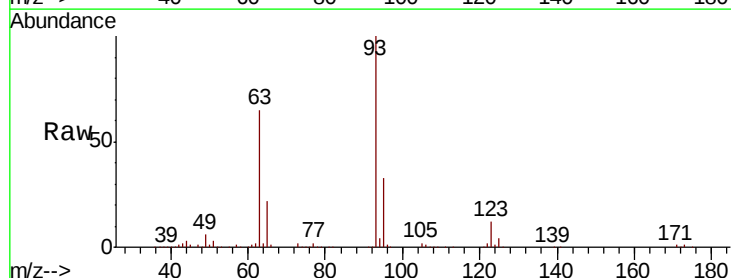
Manual Integrations
 APPROVED

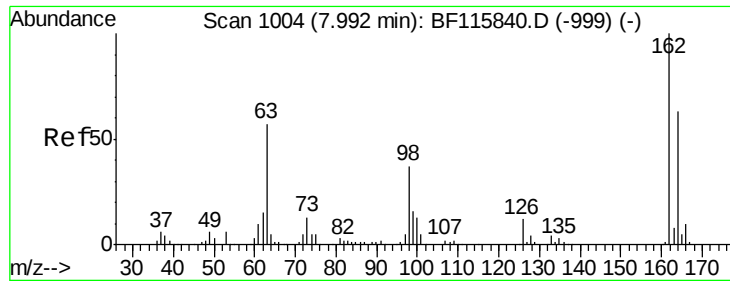
mohammad
 8/7/2019 4:41:59 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.720 ng
 RT: 7.87 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		450804		
95	32.7	26.0	39.0		
123	11.6	9.5	14.3		





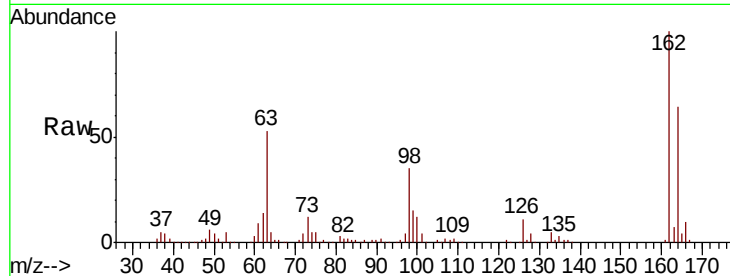
#29
2,4-Dichlorophenol
Concen: 43.574 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	321204		
164	64.2	43.2	83.2	
98	35.2	17.3	57.3	

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

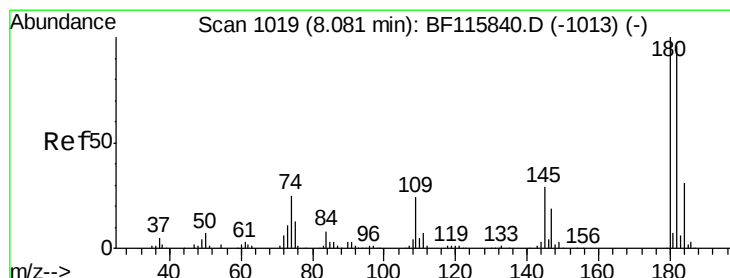
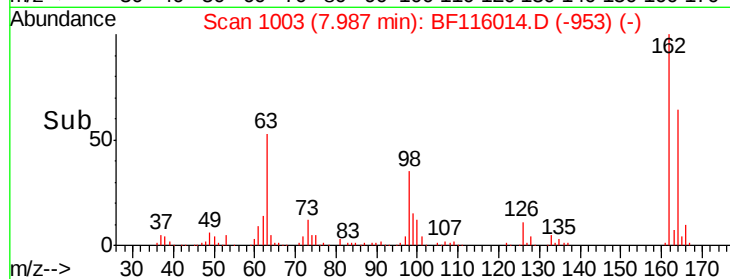
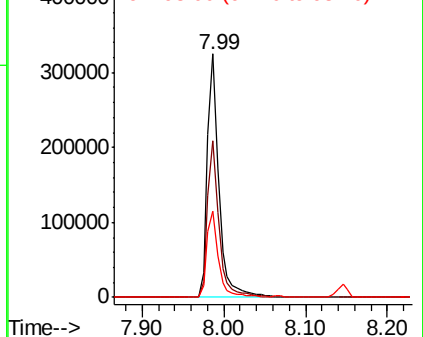


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.620 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

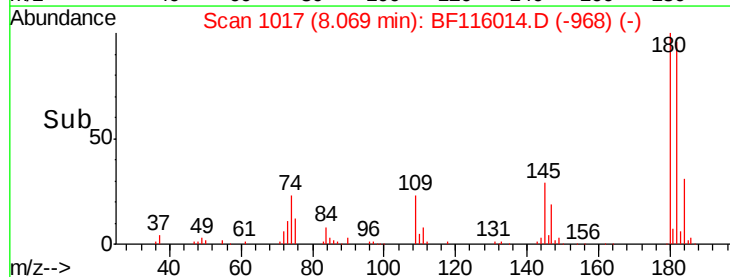
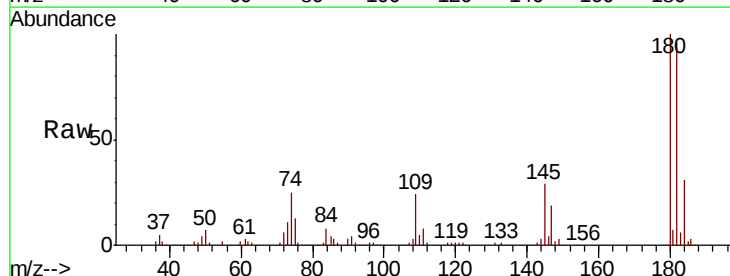
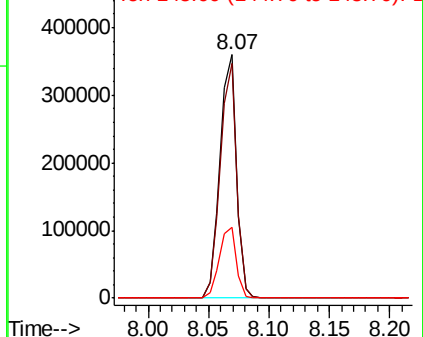
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	341326		
182	96.3	76.6	114.8	
145	29.3	23.2	34.8	

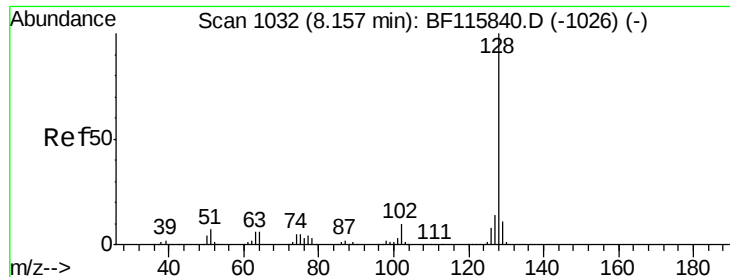
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





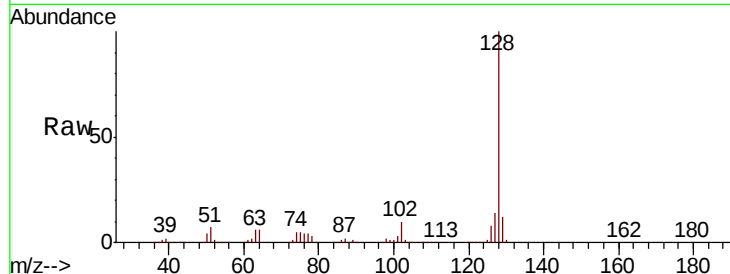
#31
Naphthalene
Concen: 42.994 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

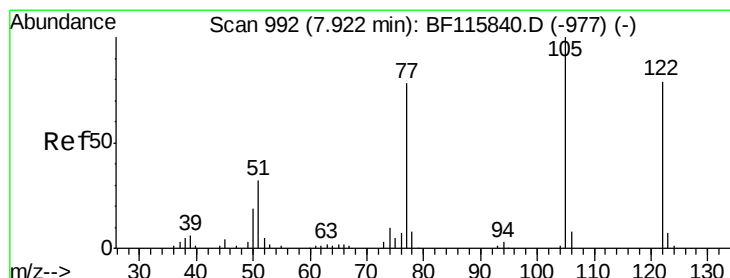
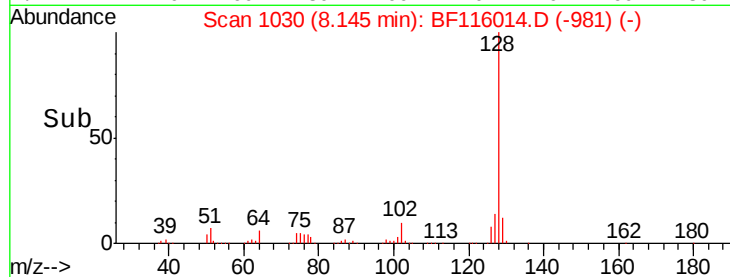
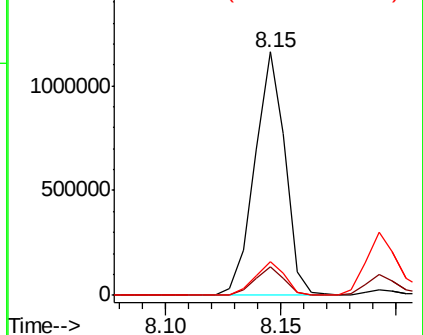
Tot Ion:128 Resp: 1064733
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.7 11.0 16.4

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

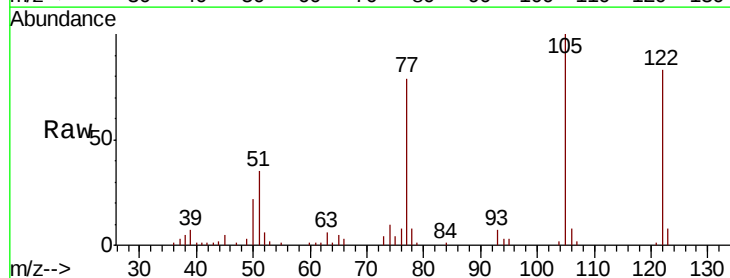


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

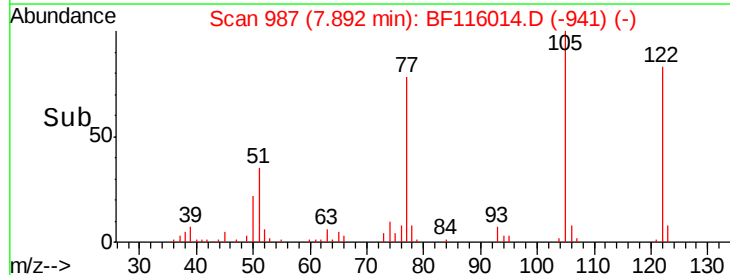
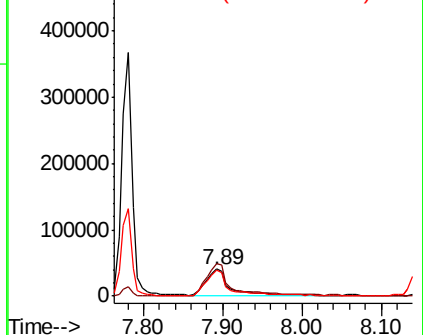


#32
Benzoic acid
Concen: 16.926 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.03 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion:122 Resp: 83313
Ion Ratio Lower Upper
122 100
105 121.1 103.1 143.1
77 95.7 76.8 116.8



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





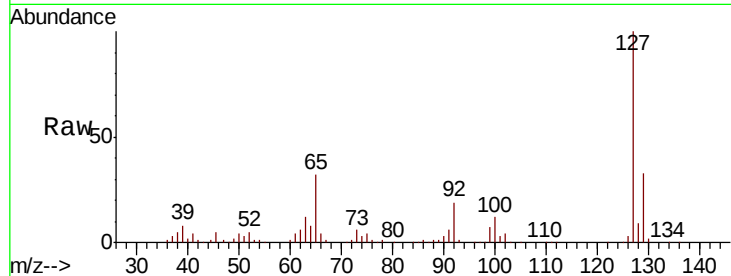
#33
4-Chloroaniline
Concen: 29.236 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

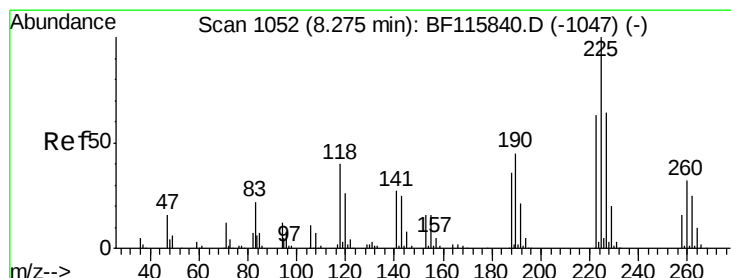
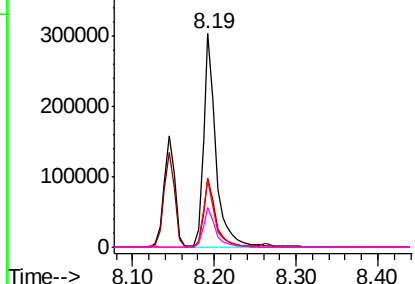
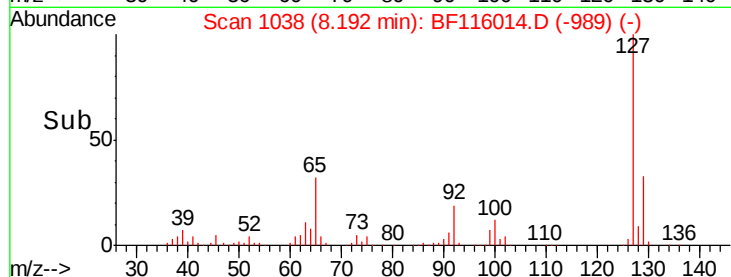
Tot Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	32.0	23.9	35.9
92	18.8	14.9	22.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

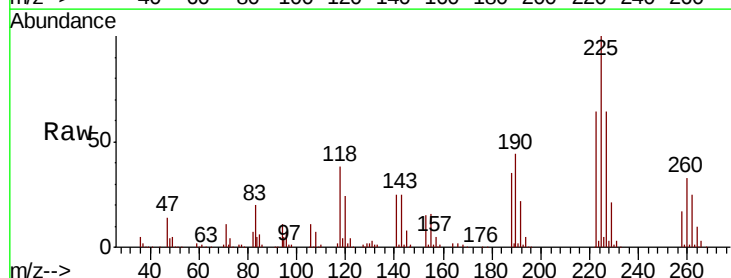


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

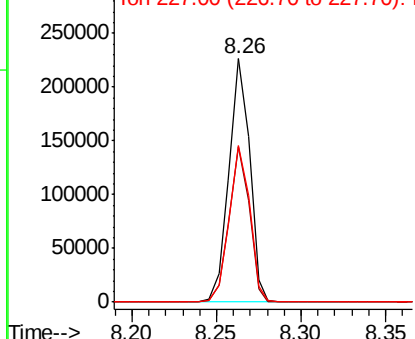
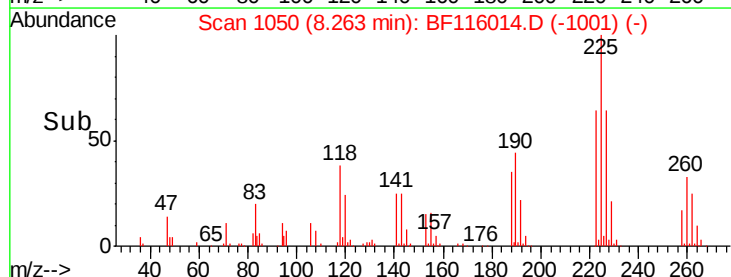


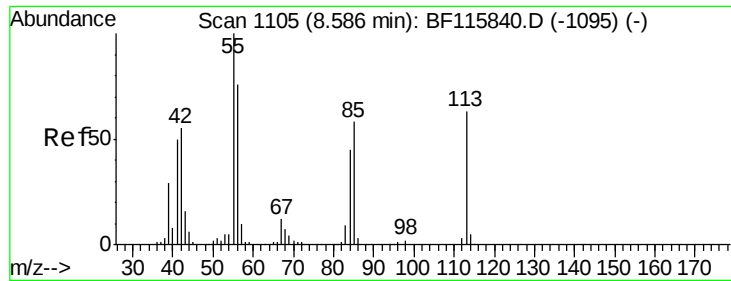
#34
Hexachlorobutadiene
Concen: 39.894 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.4	75.6
227	64.2	51.6	77.4



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





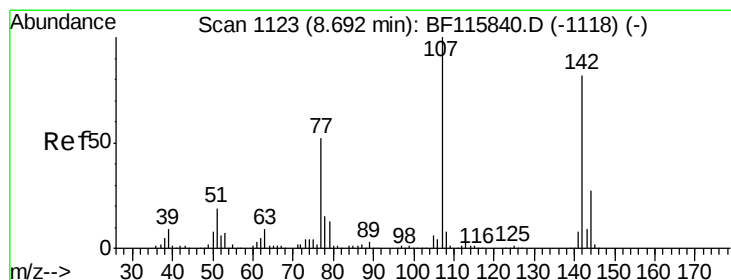
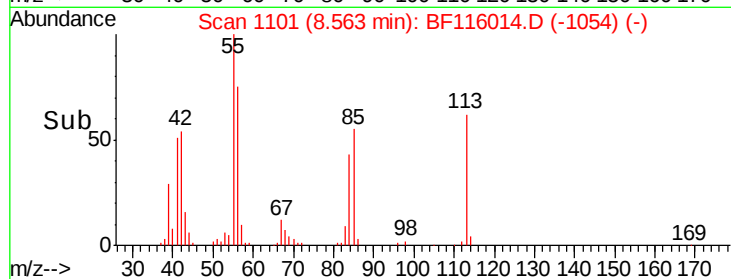
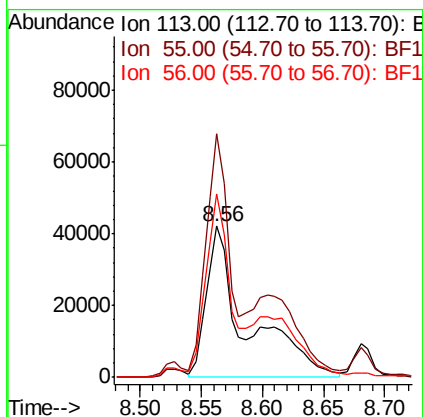
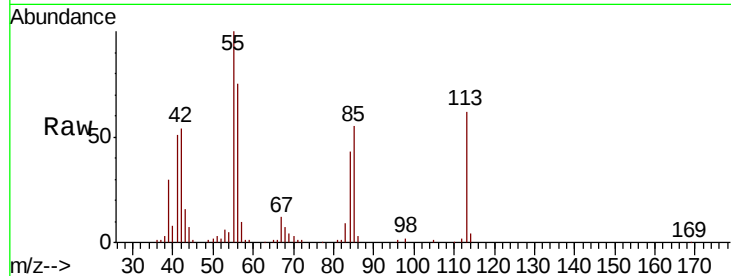
#35
 Caprolactam
 Concen: 40.269 ng/ml
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion:113 Resp: 96006
 Ion Ratio Lower Upper
 113 100
 55 160.9 138.1 178.1
 56 121.0 100.6 140.6

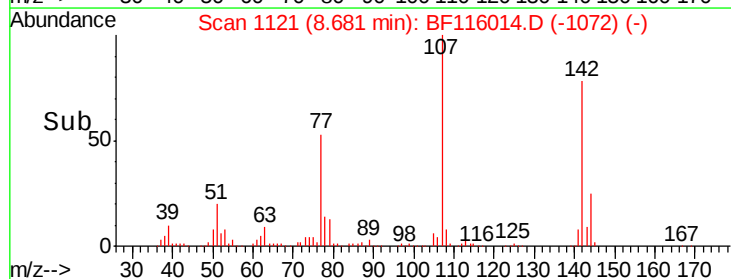
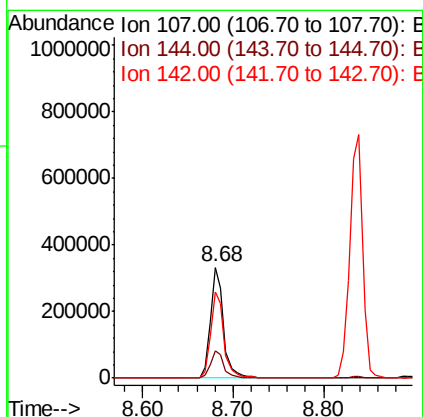
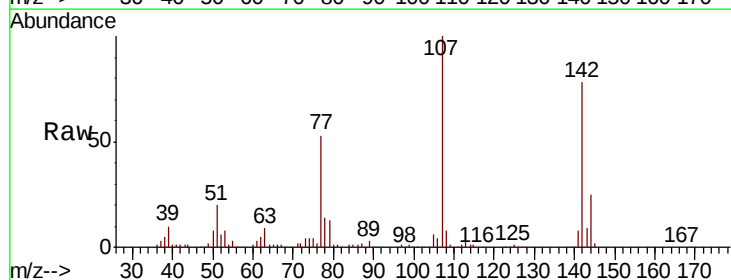
Manual Integrations
 APPROVED

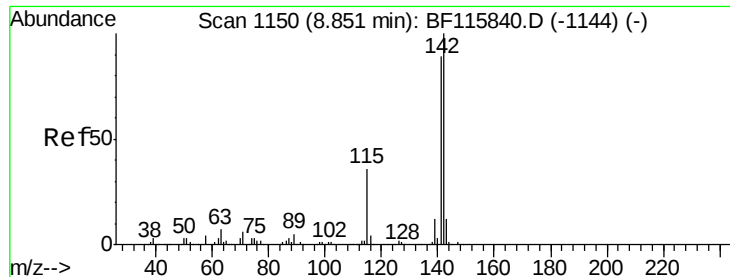
mohammad
 8/7/2019 4:41:59 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.206 ng/ml
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion:107 Resp: 339001
 Ion Ratio Lower Upper
 107 100
 144 25.1 21.4 32.0
 142 78.5 65.5 98.3





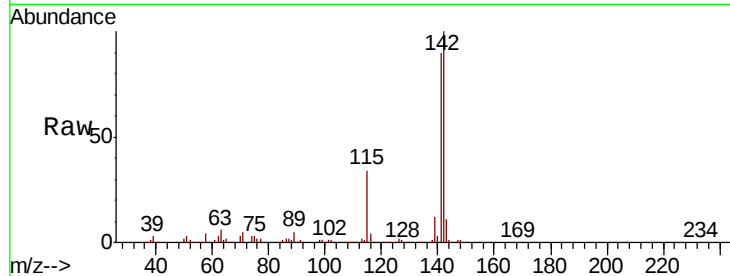
#37
2-Methylnaphthalene
Concen: 43.861 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.2
115	34.2	28.9	43.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

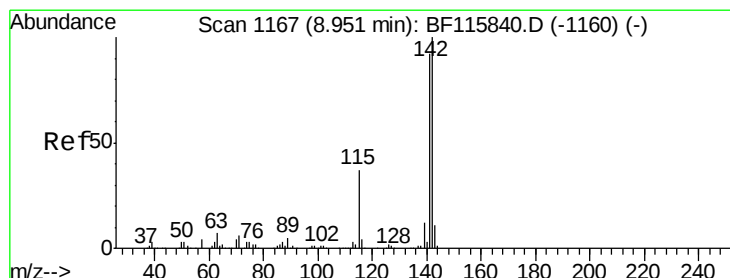
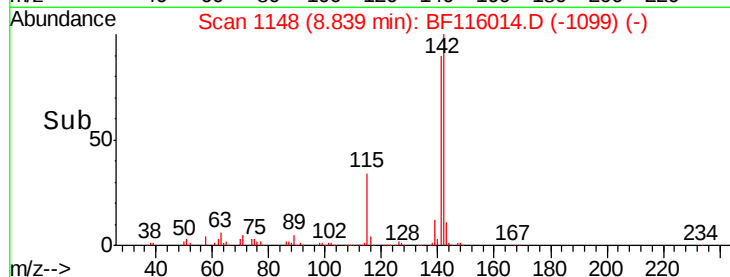
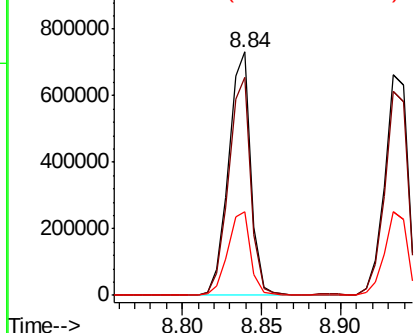


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 43.278 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

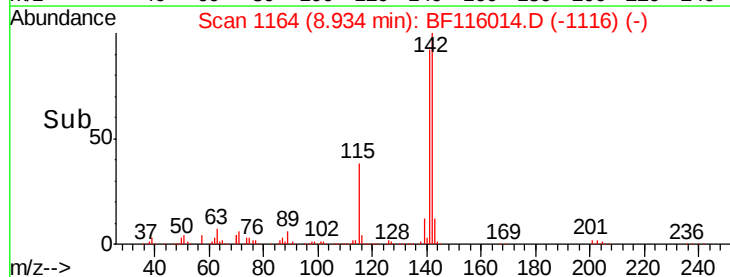
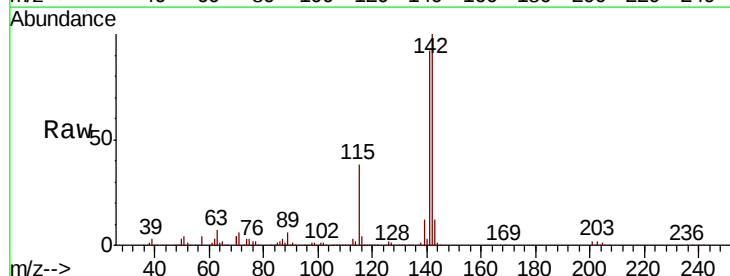
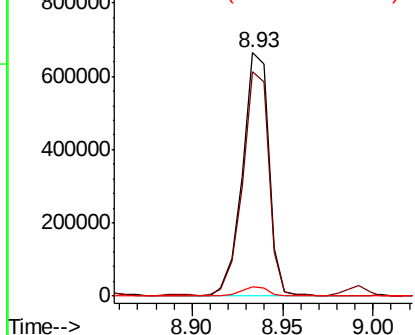
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6
116	4.0	3.1	4.7

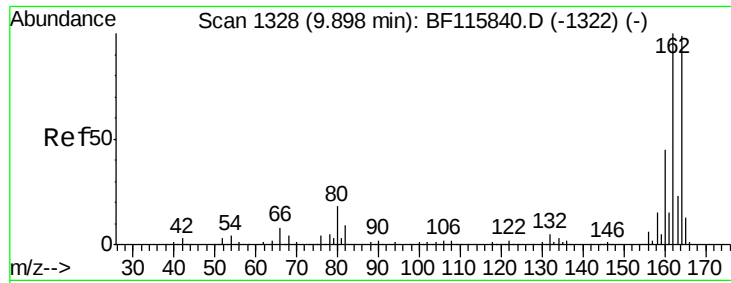
Abundance

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





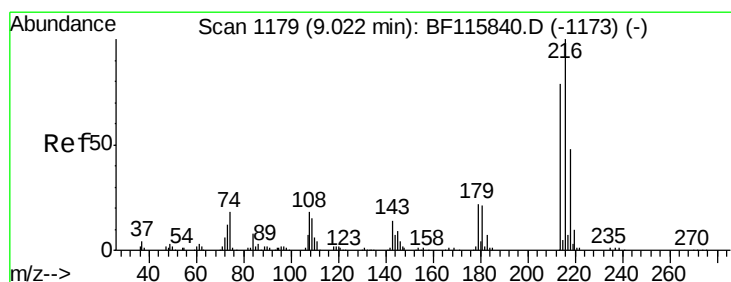
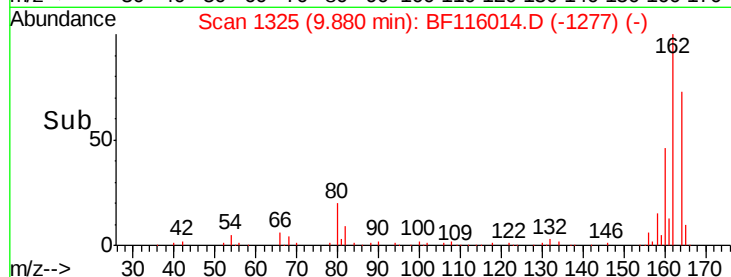
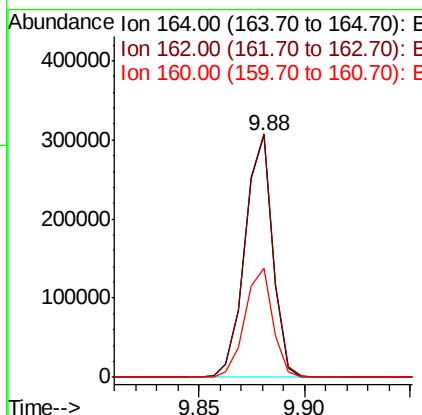
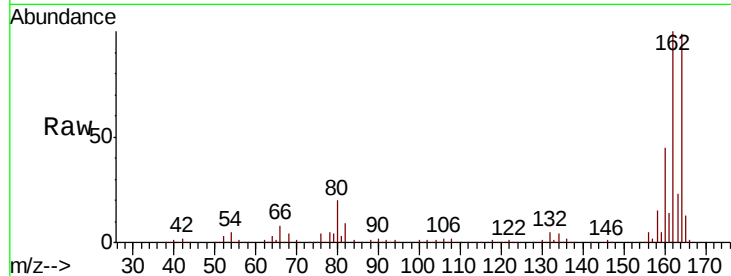
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	80.8	121.2	
160	45.2	36.2	54.4	

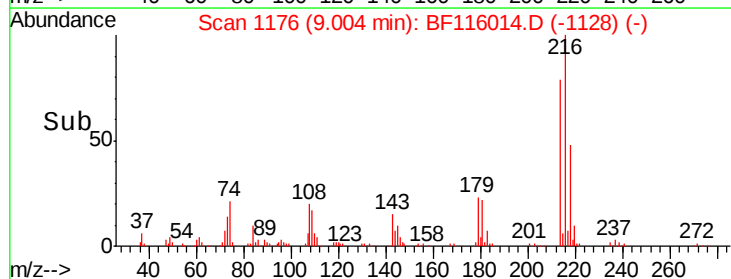
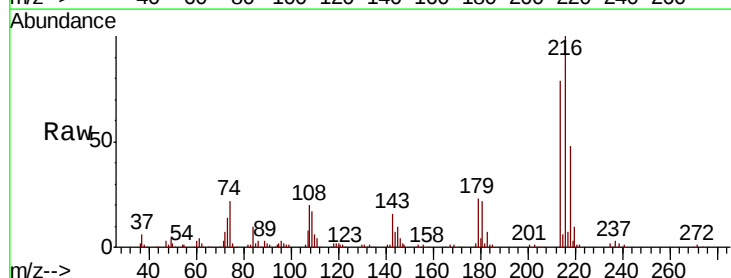
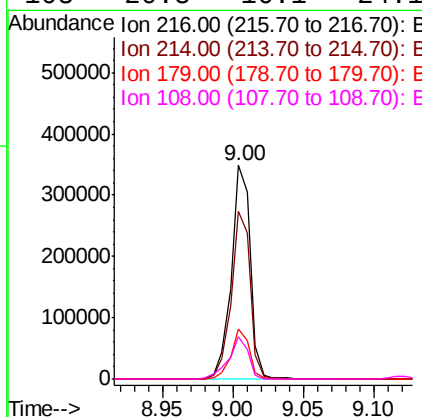
Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.689 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	62.8	94.2	
179	22.2	17.6	26.4	
108	20.8	16.1	24.1	





#41

Hexachlorocyclopentadiene

Concen: 52.245 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

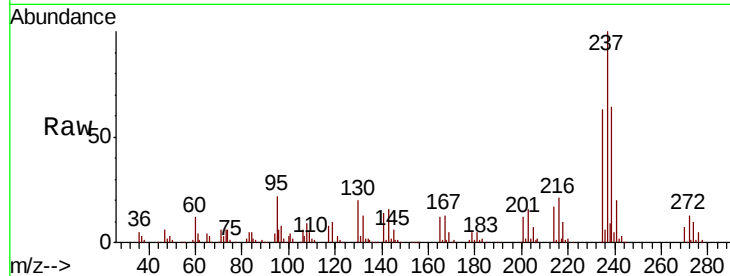
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

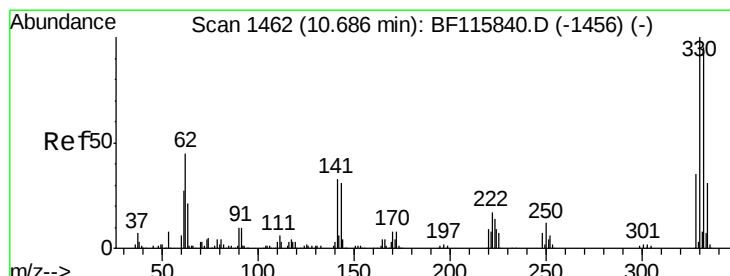
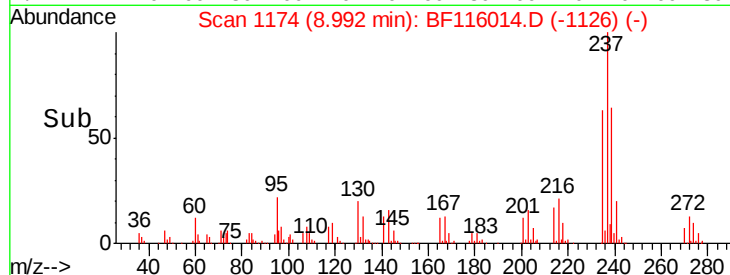
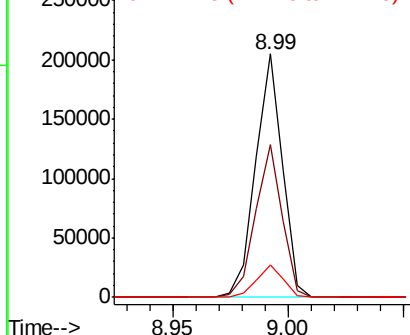
Tot Ion:	237	Resp:	166947
Ion Ratio	Lower	Upper	
237	100		
235	62.7	42.5	82.5
272	13.5	0.0	33.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



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



#42

2,4,6-Tribromophenol

Concen: 124.692 ng

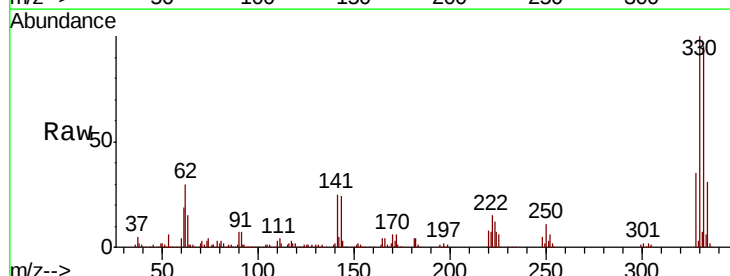
RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

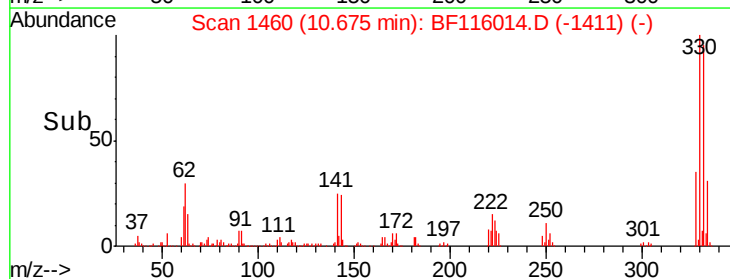
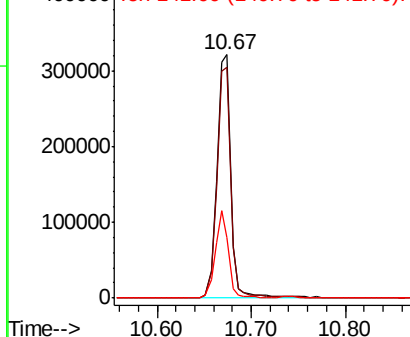
Lab File: BF116014.D

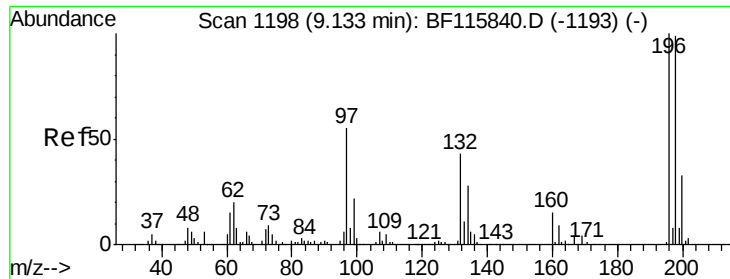
Acq: 6 Aug 2019 15:42

Tgt Ion:	330	Resp:	336153
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.7	116.5
141	34.1	28.1	42.1



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





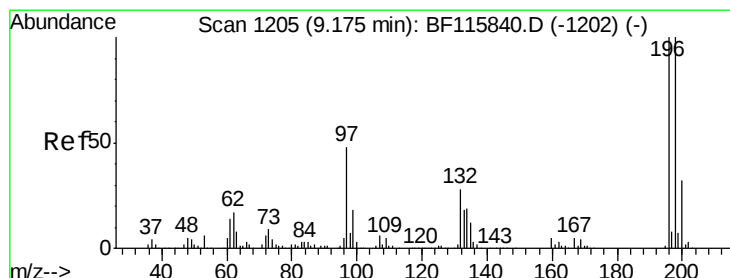
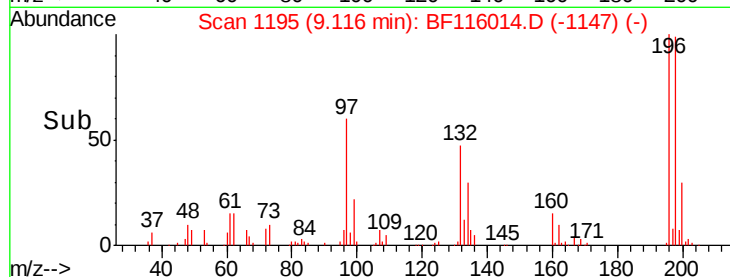
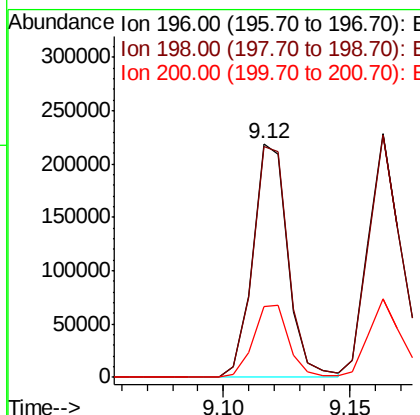
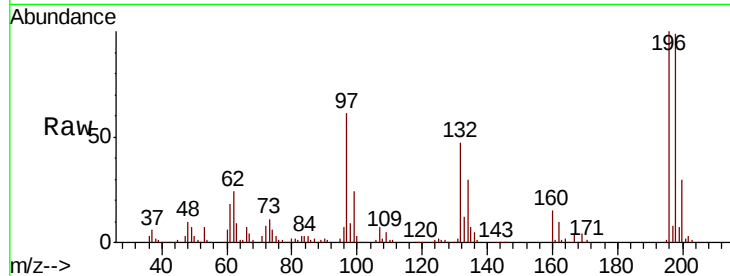
#43
 2,4,6-Trichlorophenol
 Concen: 41.459 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	212133		
198	98.7	79.1	118.7	
200	30.3	26.0	39.0	

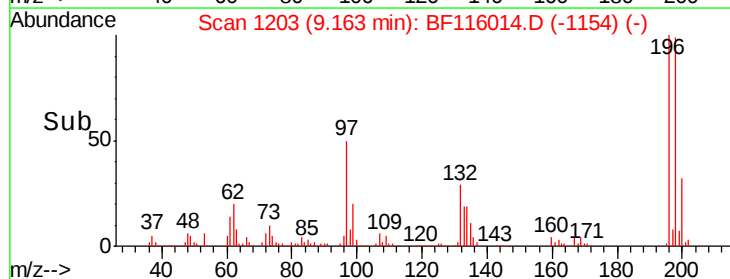
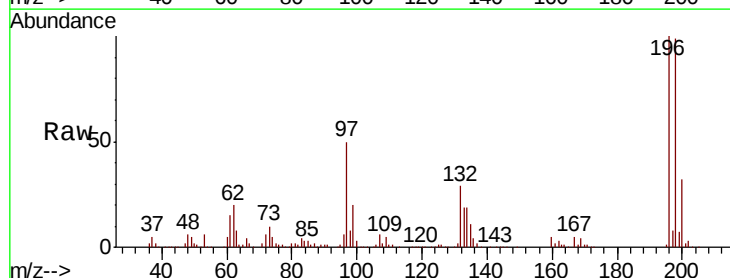
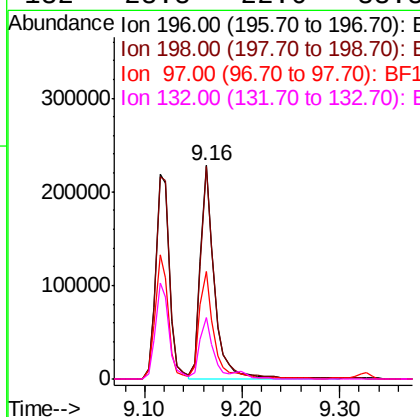
Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:59 PM



#44
 2,4,5-Trichlorophenol
 Concen: 42.855 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	226665		
198	99.4	80.1	120.1	
97	50.3	38.9	58.3	
132	28.8	22.6	33.8	





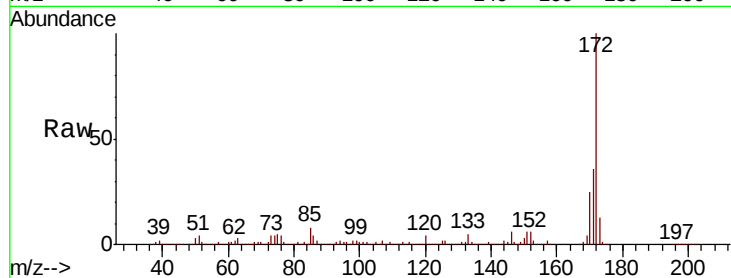
#45
2-Fluorobiphenyl
Concen: 91.334 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

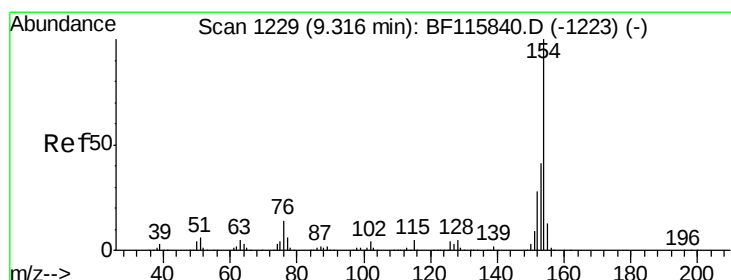
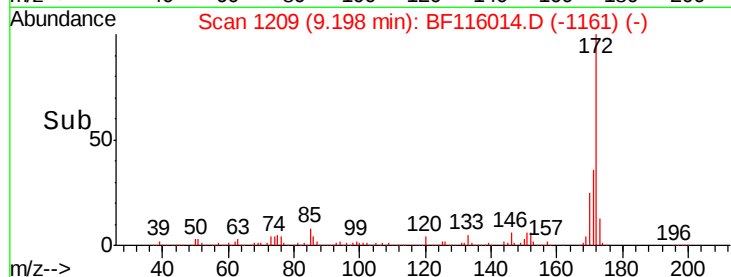
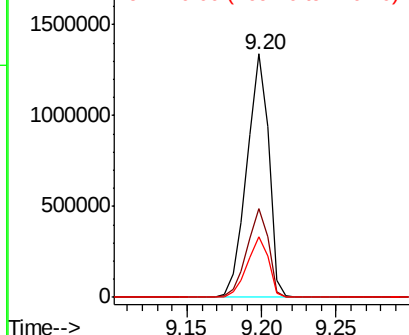
Tot Ion:172 Resp: 1355863
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.7 20.1 30.1

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

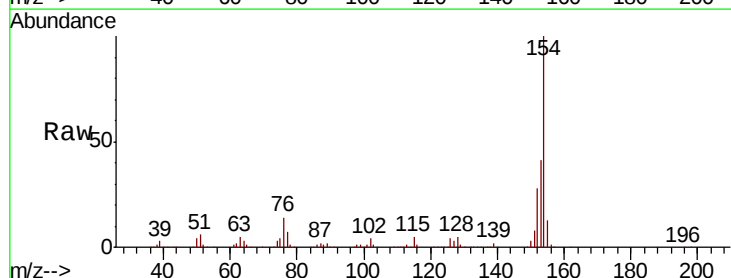


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

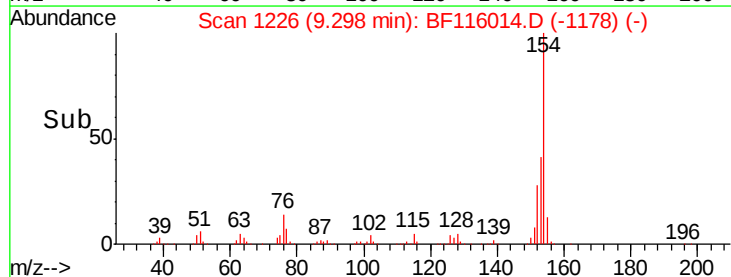
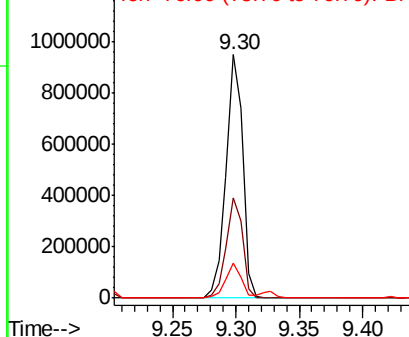


#46
1,1'-Biphenyl
Concen: 44.236 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion:154 Resp: 868391
Ion Ratio Lower Upper
154 100
153 41.4 20.9 60.9
76 14.3 0.0 34.3



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





#47

2-Chloronaphthalene

Concen: 41.943 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

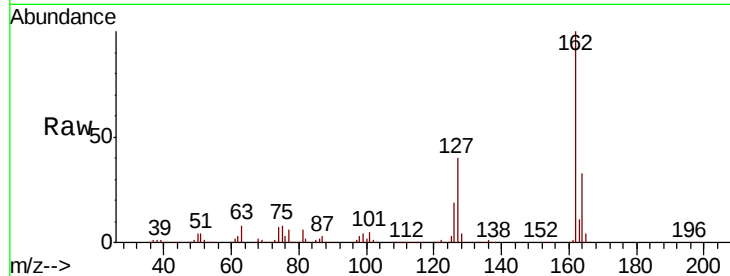
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

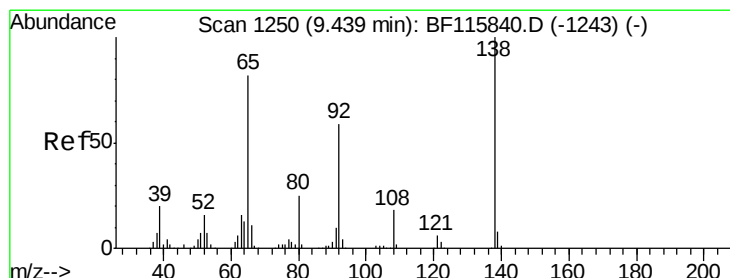
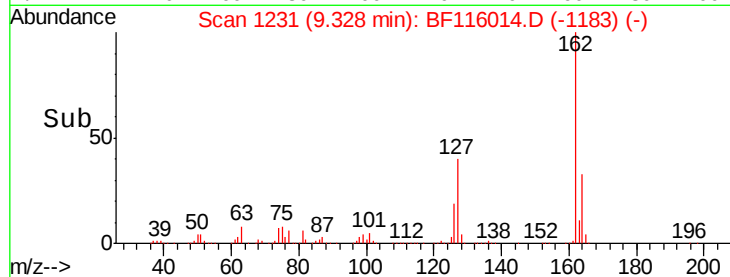
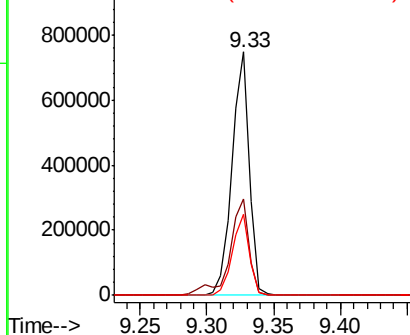
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.7	31.3	46.9	
164	33.1	26.6	40.0	

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 41.198 ng

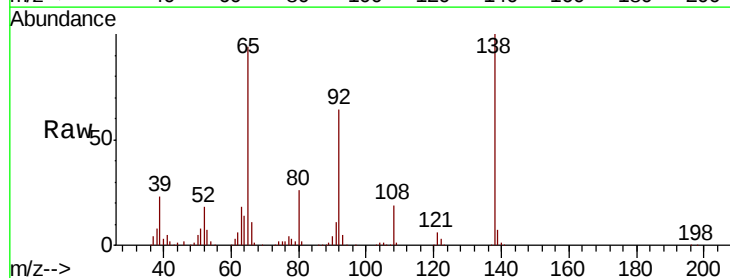
RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

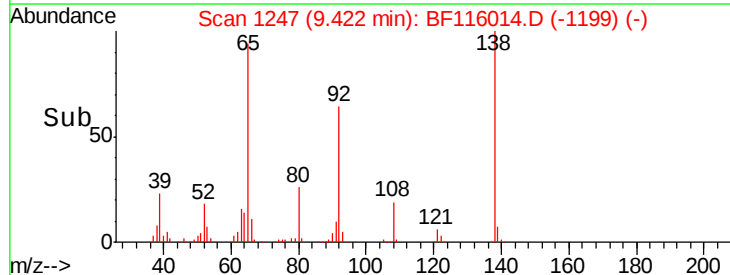
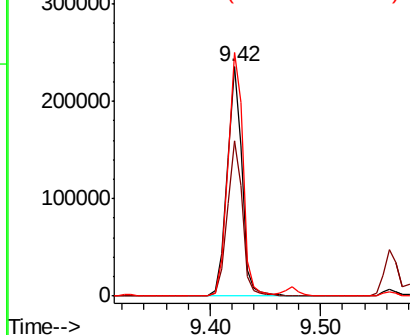
Lab File: BF116014.D

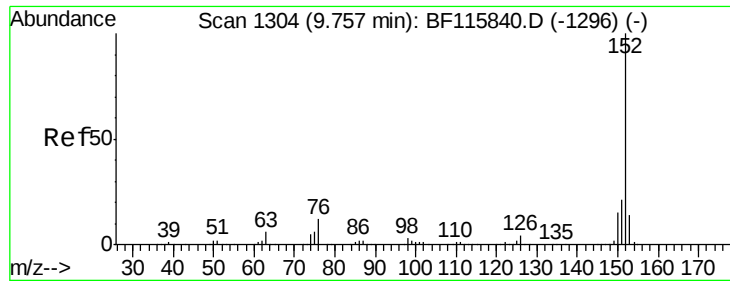
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	67.9	57.1	85.7	
138	106.3	97.1	145.7	



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





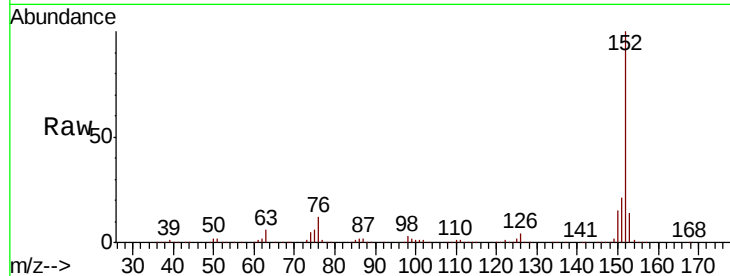
#49
Acenaphthylene
Concen: 44.143 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

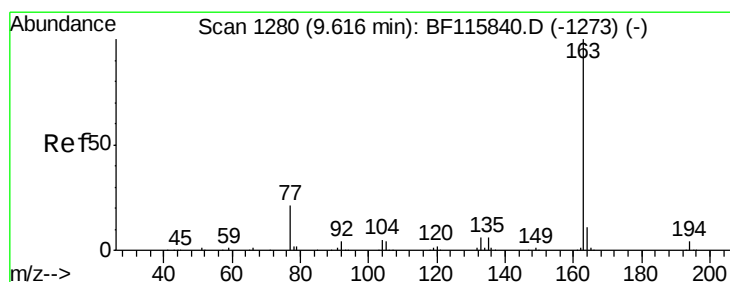
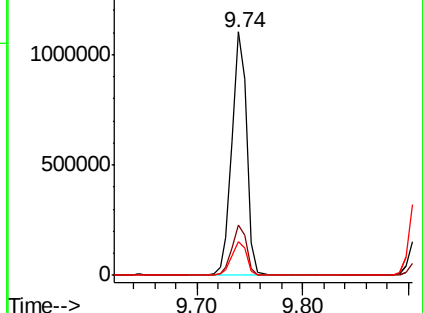
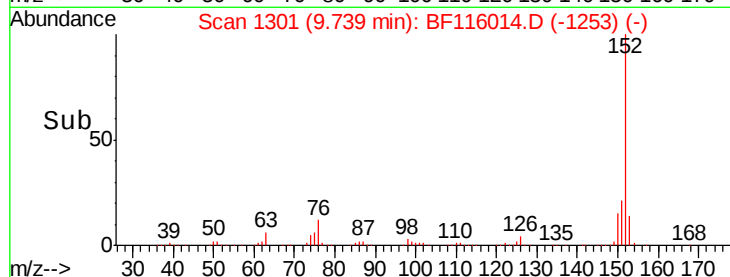
Tot Ion:152 Resp: 1052226
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.0 11.6 17.4

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

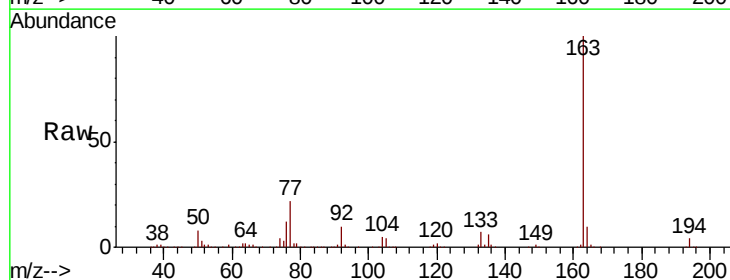


Abundance Ion 152.00 (151.70 to 152.70): E
1500000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

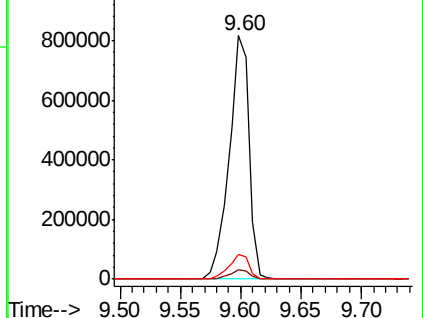
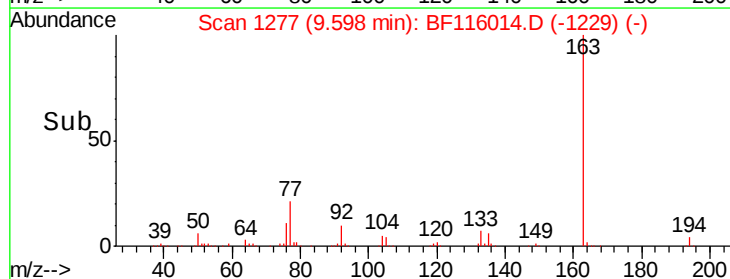


#50
Dimethylphthalate
Concen: 49.362 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion:163 Resp: 934557
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.4 8.4 12.6



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





#51

2,6-Dinitrotoluene

Concen: 44.417 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

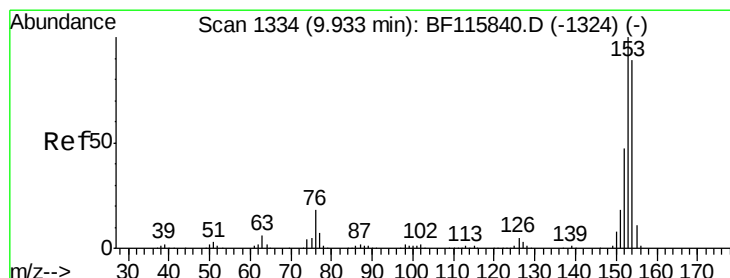
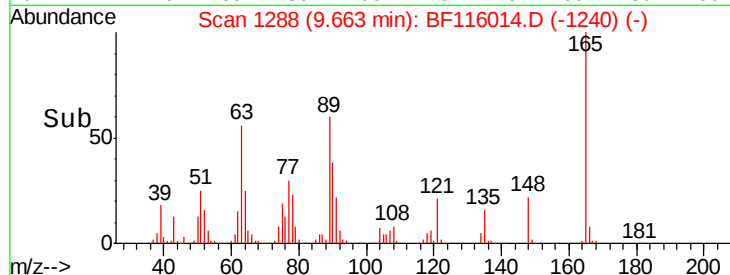
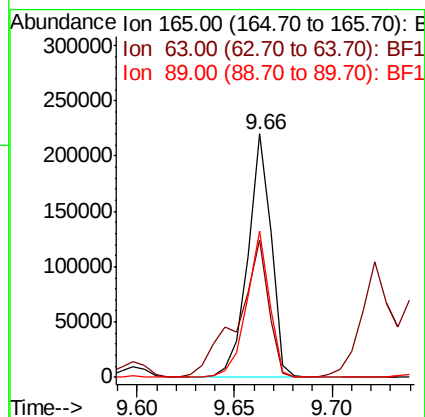
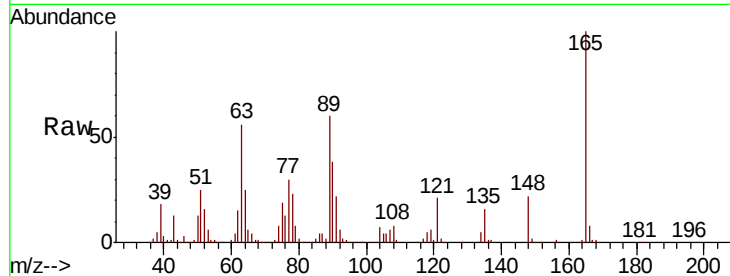
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:	165	Resp:	182751
Ion Ratio	Lower	Upper	
165	100		
63	56.2	39.4	59.2
89	59.9	43.0	64.6

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#52

Acenaphthene

Concen: 45.565 ng

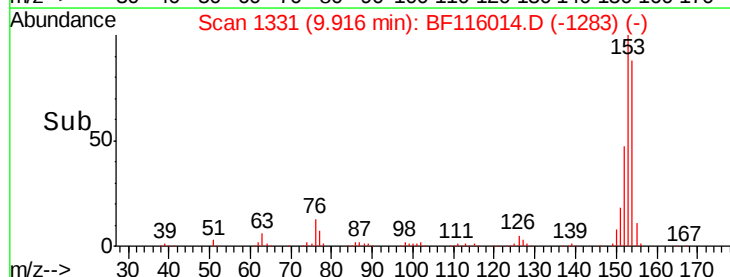
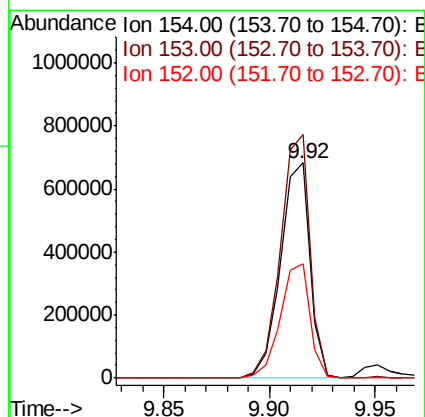
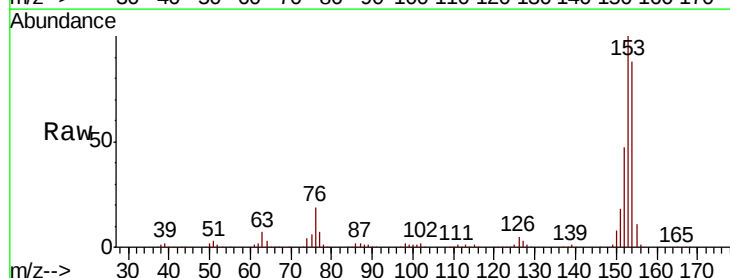
RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion:	154	Resp:	666319
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.1	135.1
152	53.3	42.6	63.8





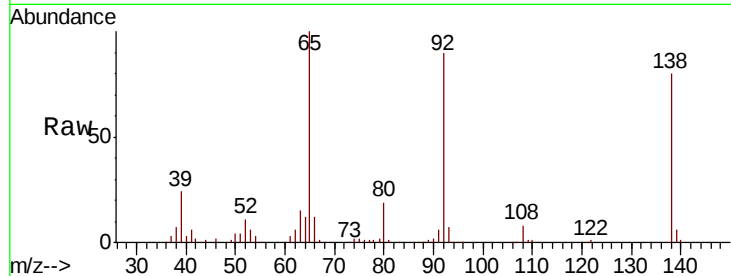
#53
3-Nitroaniline
Concen: 31.818 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.4	11.2
92	113.0	83.9	125.9

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

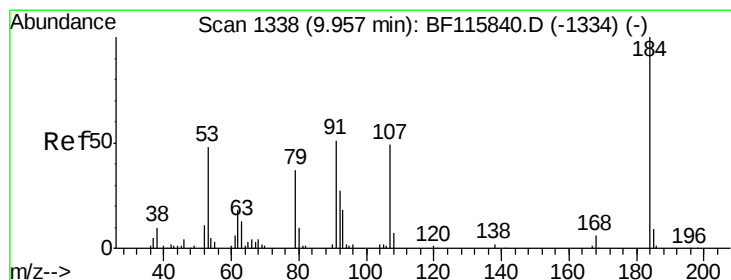
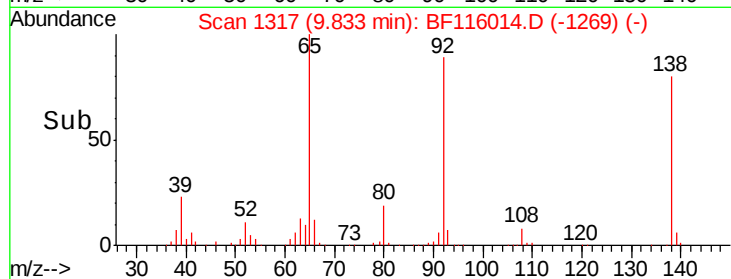
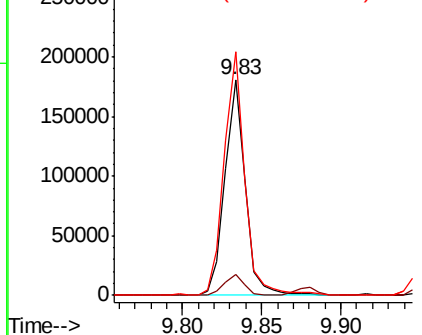


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 40.351 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

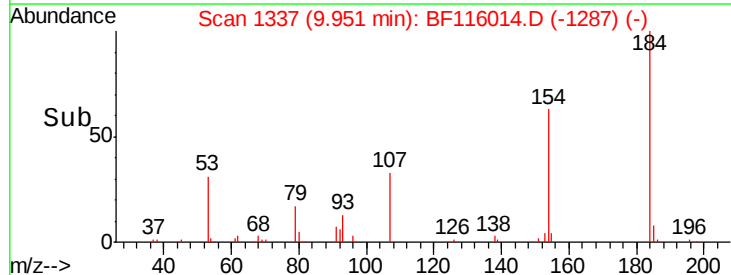
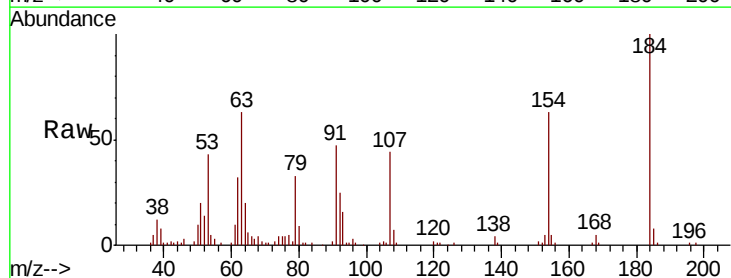
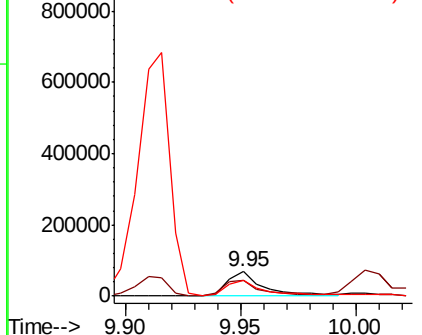
Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.5	56.7	85.1
154	62.9	51.9	77.9

Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





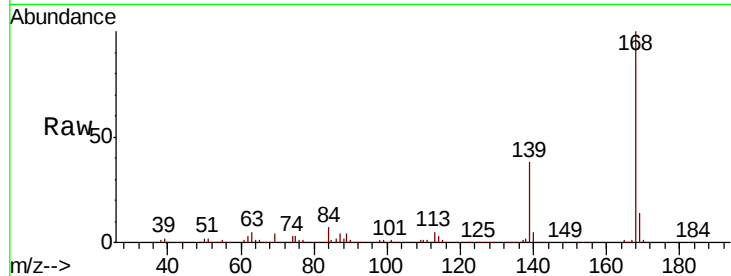
#55
Dibenzofuran
Concen: 45.057 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	958190		
139	38.4	30.2	45.2	
169	13.9	10.8	16.2	

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

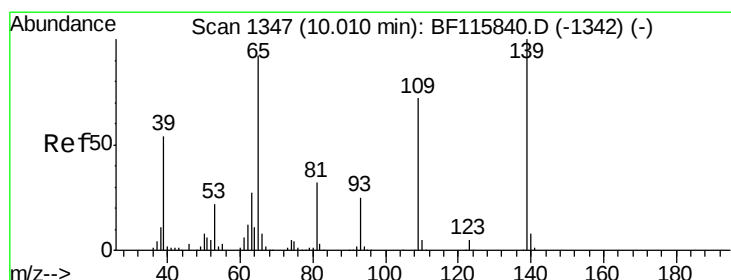
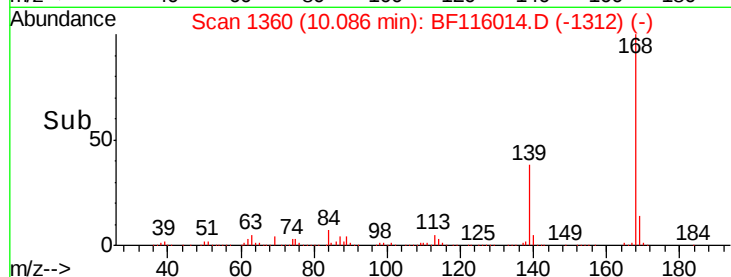
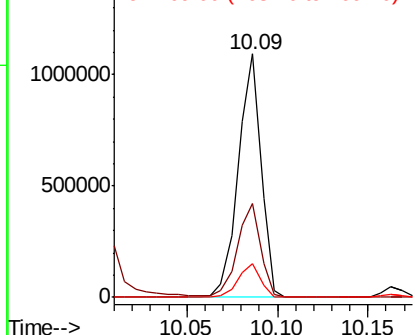


Abundance

Ion 168.00 (167.70 to 168.70): E

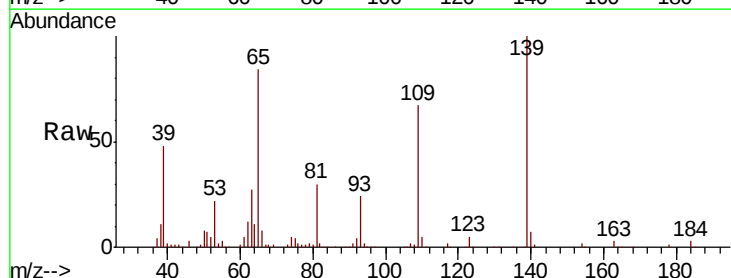
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 84.951 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	276663		
109	67.4	52.0	92.0	
65	84.3	72.6	112.6	

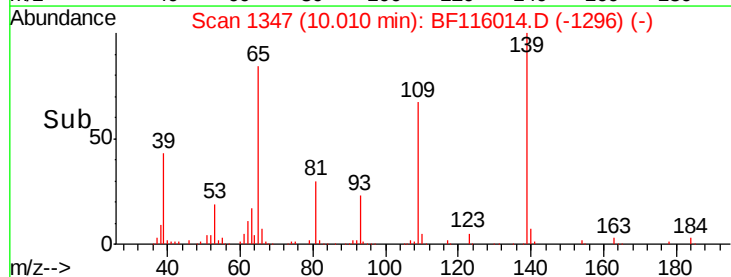
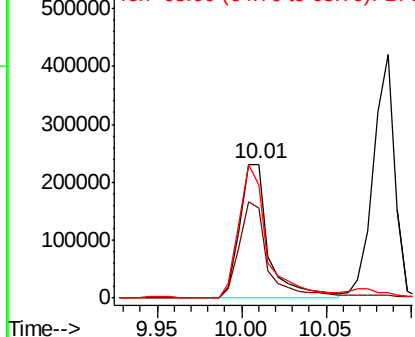


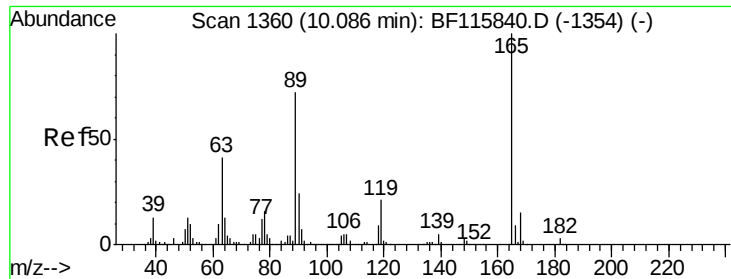
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 43.091 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

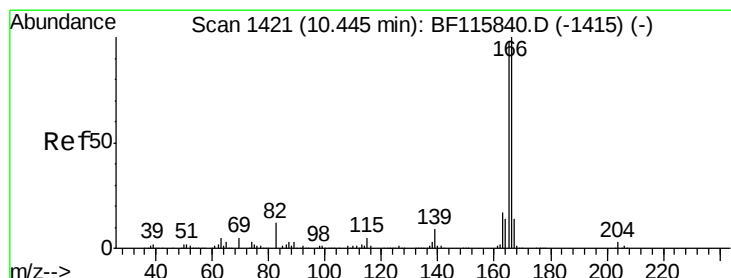
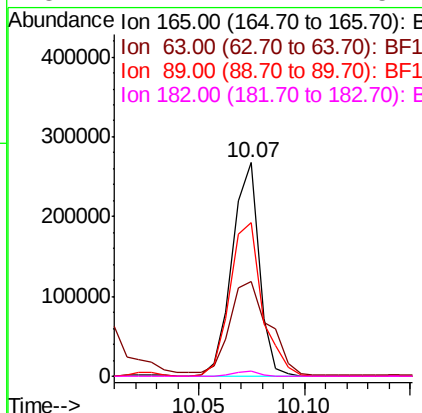
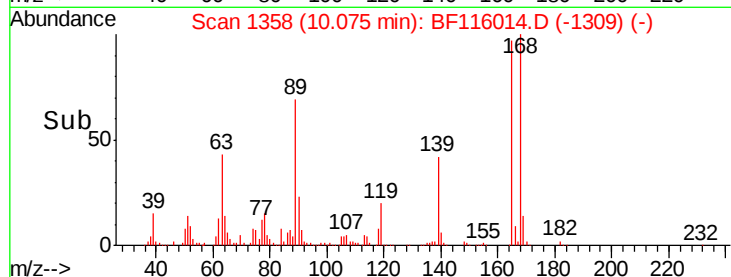
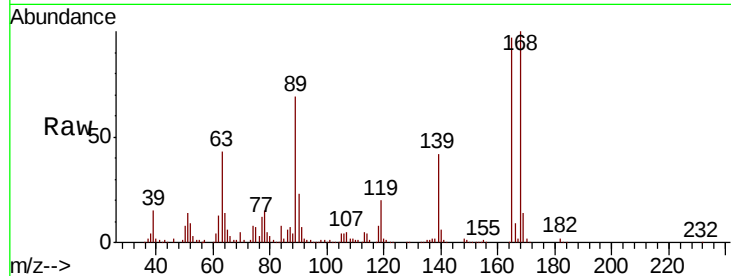
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.2	33.2	49.8
89	71.8	57.3	85.9
182	2.4	2.1	3.1

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#58

Fluorene

Concen: 46.744 ng

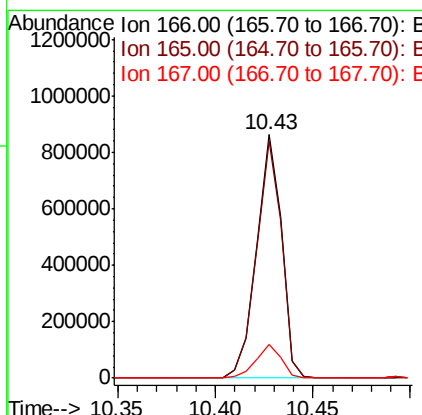
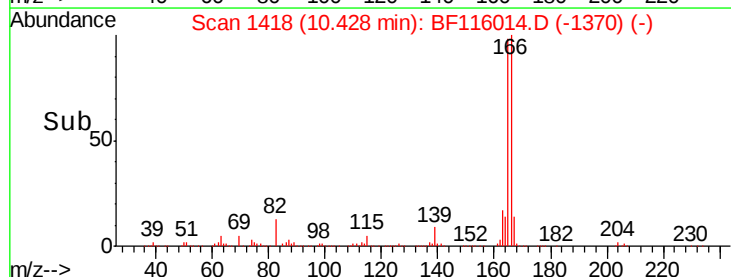
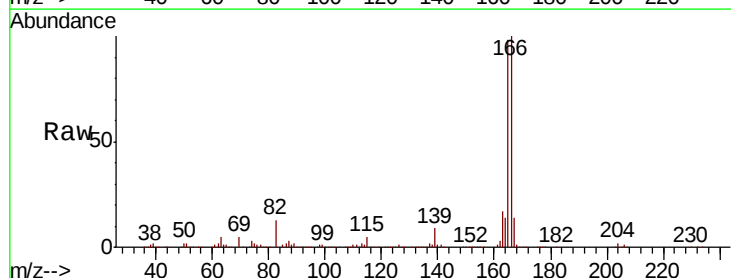
RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.6	118.0
167	13.6	10.9	16.3





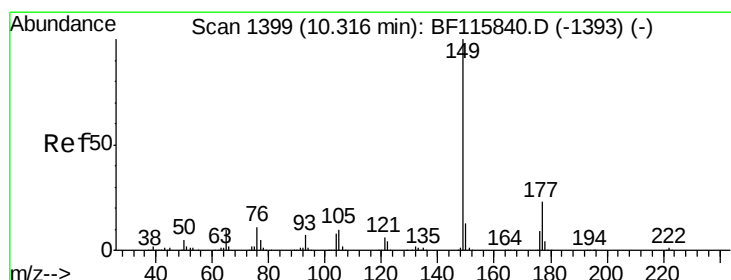
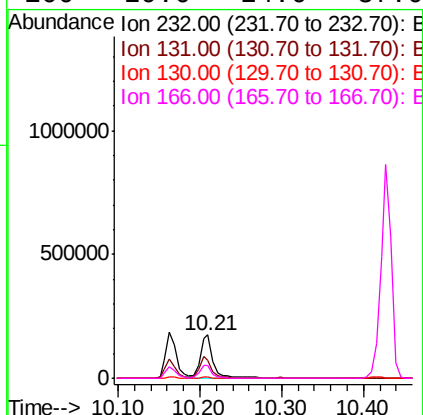
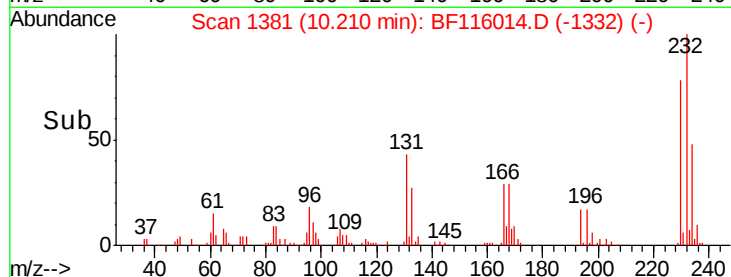
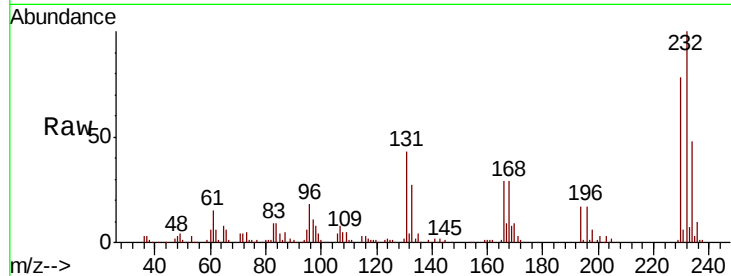
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.989 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	186842		
131	45.8	37.6	56.4	
130	2.4	1.8	2.8	
166	29.6	24.6	37.0	

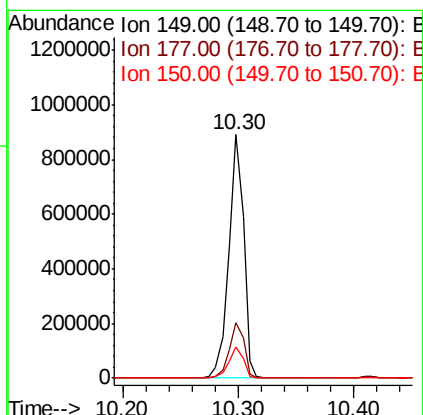
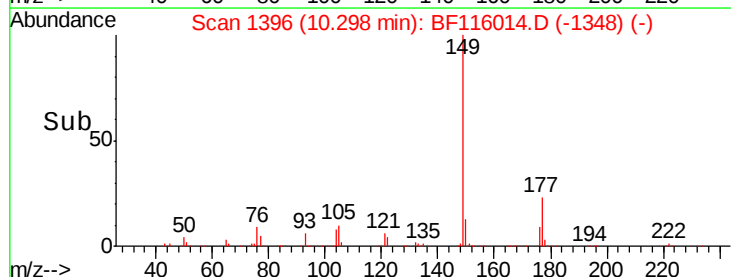
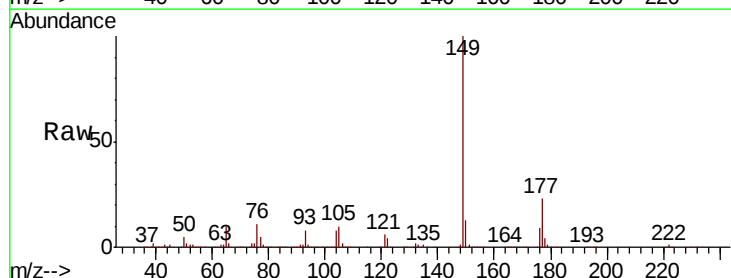
Manual Integrations
 APPROVED

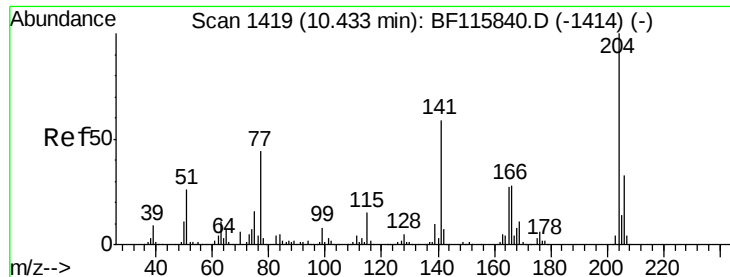
mohammad
 8/7/2019 4:41:59 PM



#60
 Diethylphthalate
 Concen: 44.756 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	791108		
177	23.0	18.4	27.6	
150	13.0	10.1	15.1	





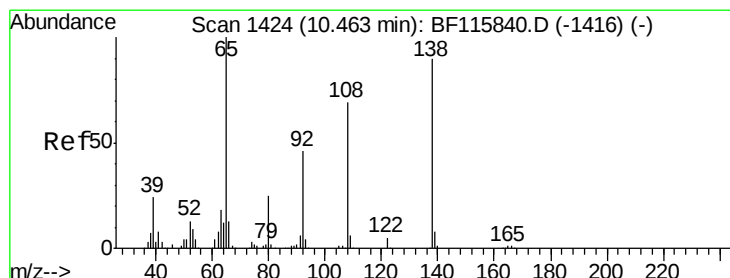
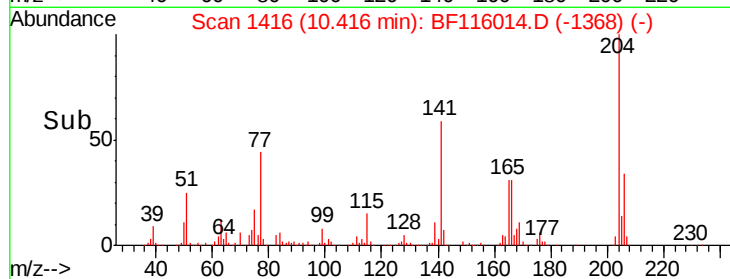
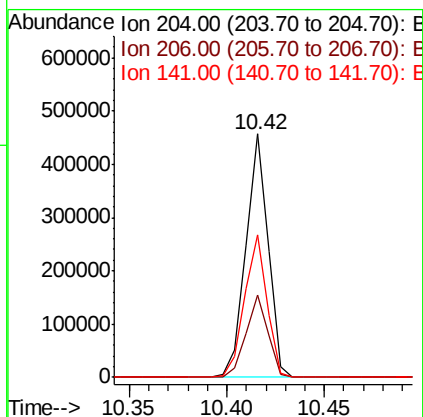
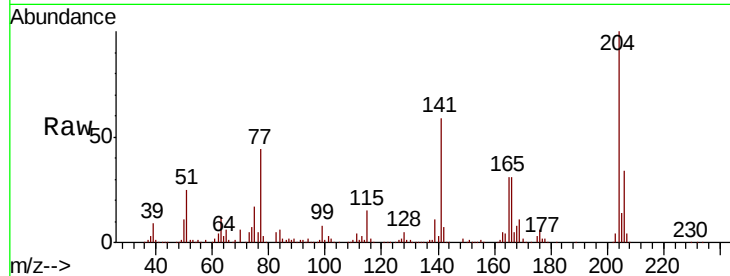
#61
 4-Chlorophenyl-phenylether
 Concen: 43.450 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion:	204	Resp:	360046
Ion Ratio	Lower	Upper	
204	100		
206	33.6	26.4	39.6
141	58.6	47.0	70.4

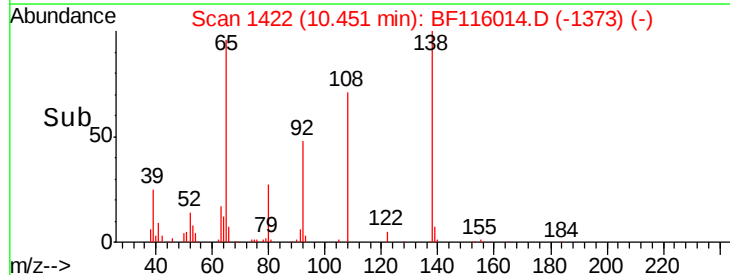
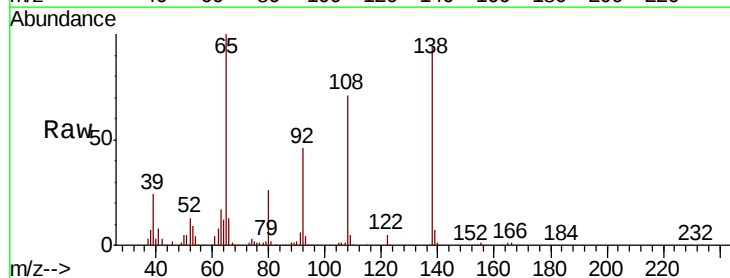
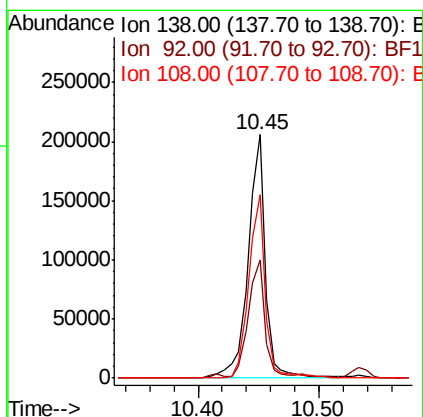
Manual Integrations
 APPROVED

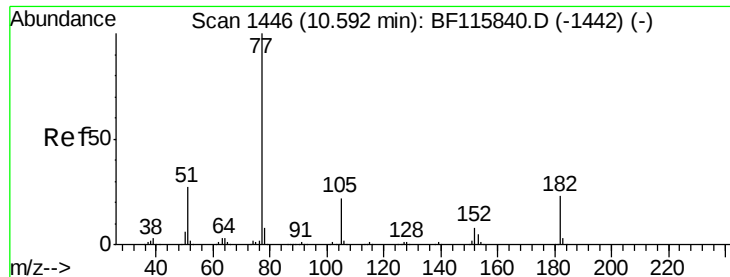
mohammad
 8/7/2019 4:41:59 PM



#62
 4-Nitroaniline
 Concen: 39.215 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion:	138	Resp:	206030
Ion Ratio	Lower	Upper	
138	100		
92	48.4	31.0	71.0
108	75.4	56.7	96.7





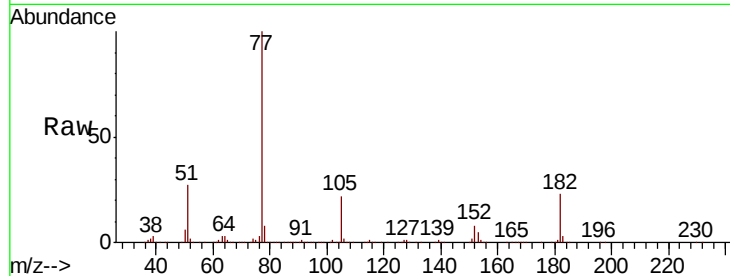
#63
Azobenzene
Concen: 44.284 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

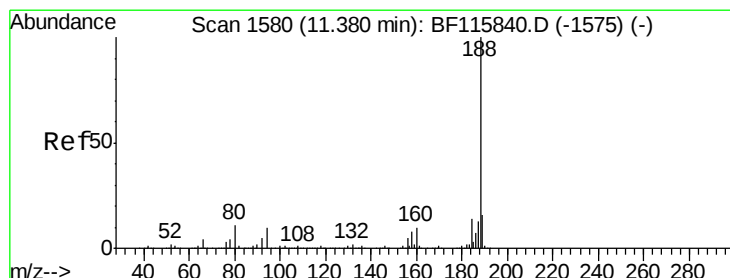
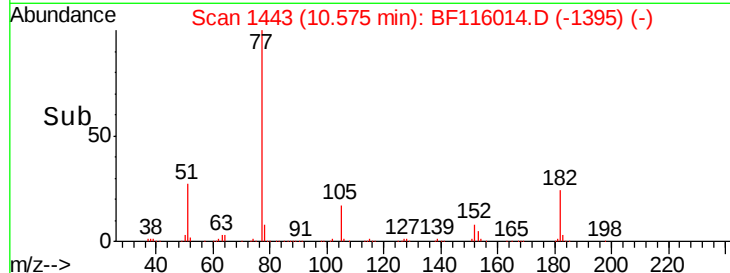
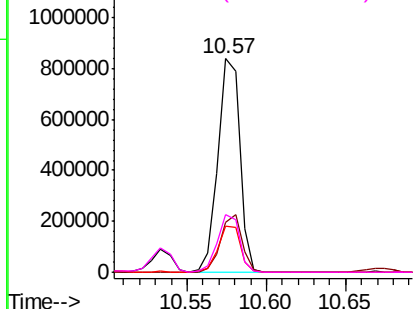
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	23.4	2.6	42.6	
105	21.9	1.6	41.6	
51	27.2	7.4	47.4	

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



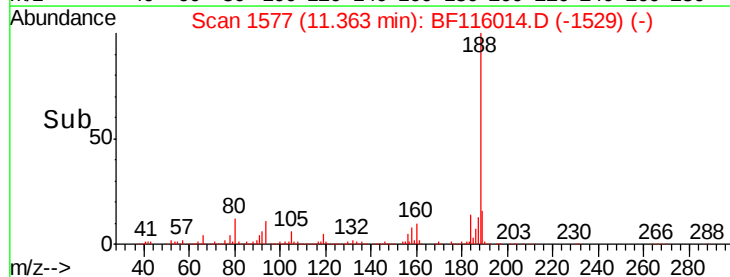
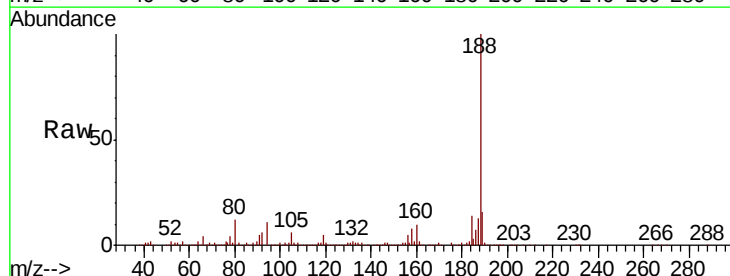
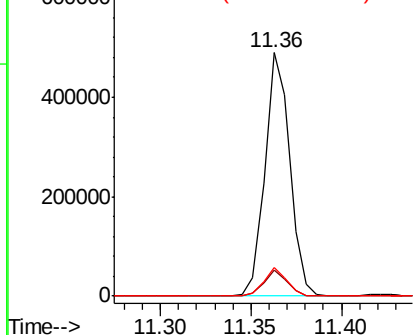
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

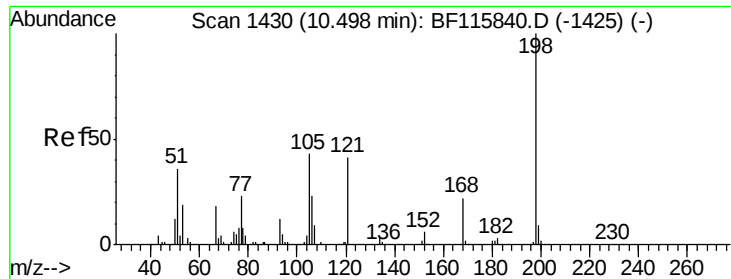


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.7	8.0	12.0	
80	11.7	8.6	12.8	

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





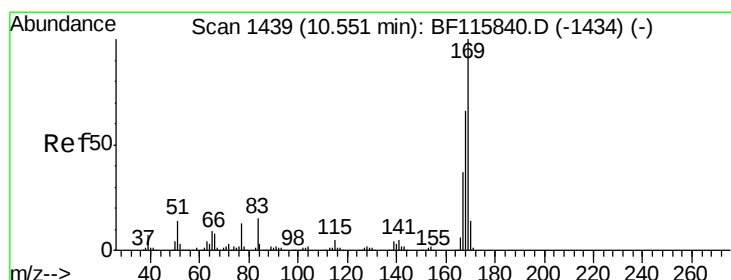
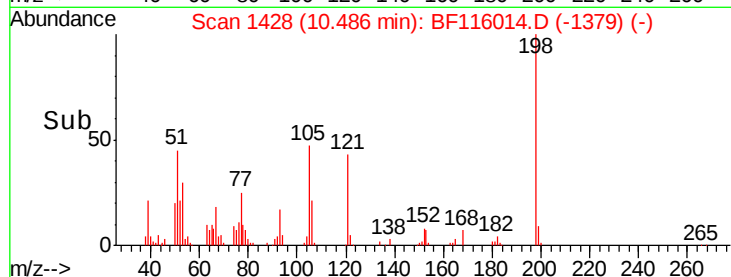
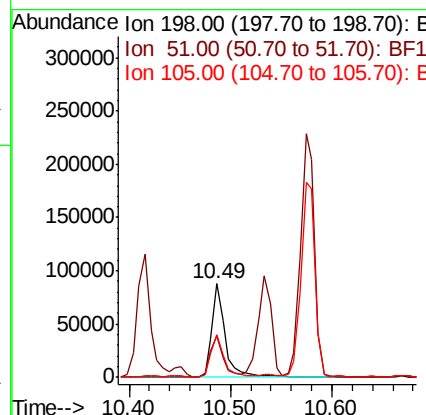
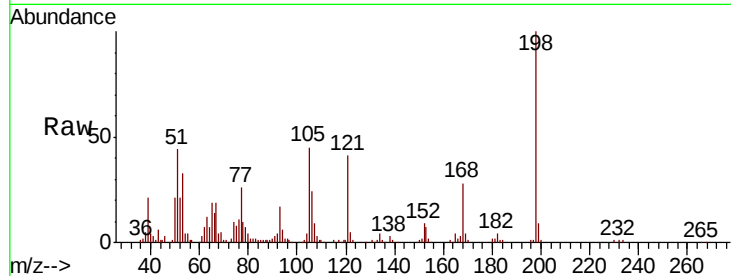
#65
4,6-Dinitro-2-methylphenol
Concen: 32.874 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	81514		
51	43.6	21.1	61.1	
105	45.5	24.5	64.5	

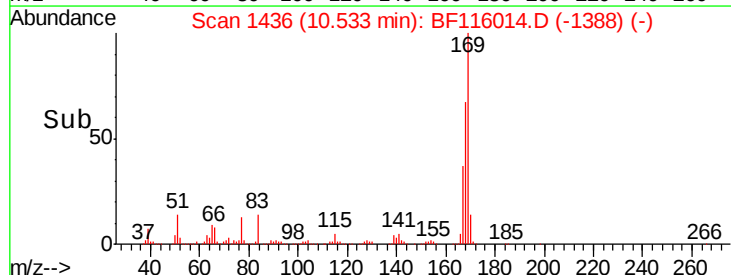
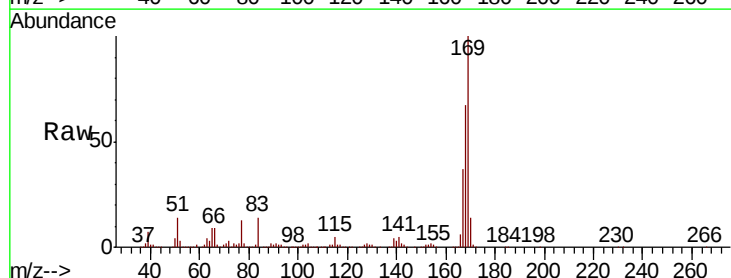
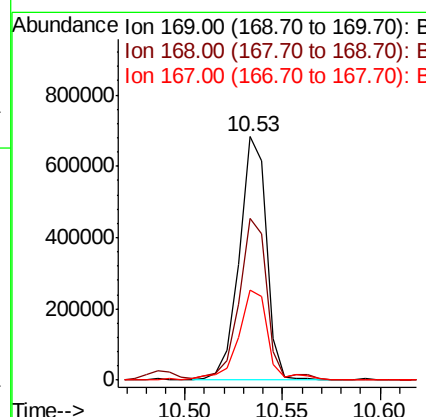
Manual Integrations
APPROVED

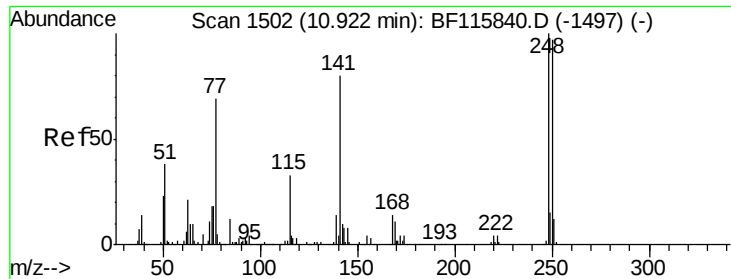
mohammad
8/7/2019 4:41:59 PM



#66
n-Nitrosodiphenylamine
Concen: 46.319 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	652325		
168	66.7	53.0	79.6	
167	36.9	29.9	44.9	





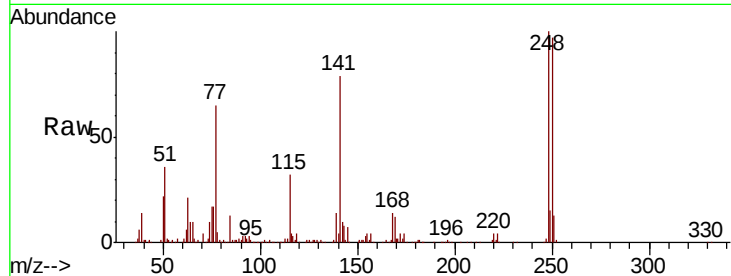
#67
4-Bromophenyl-phenylether
Concen: 44.007 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.8	116.6
141	79.3	64.3	96.5

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM

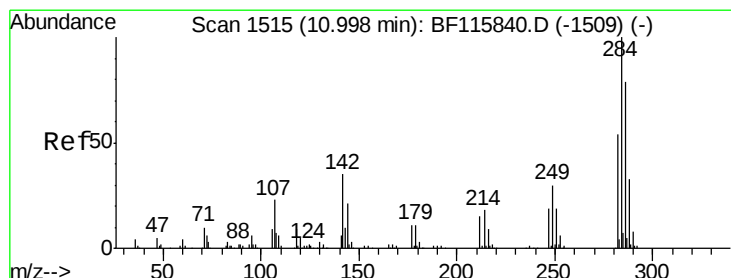
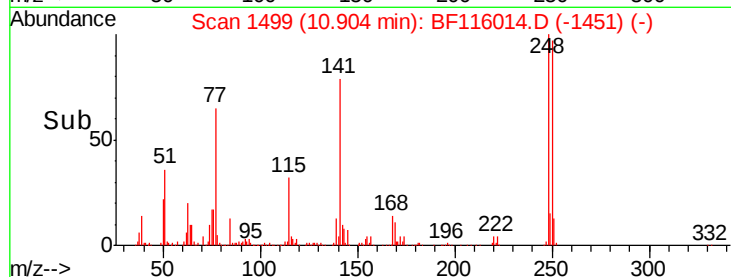
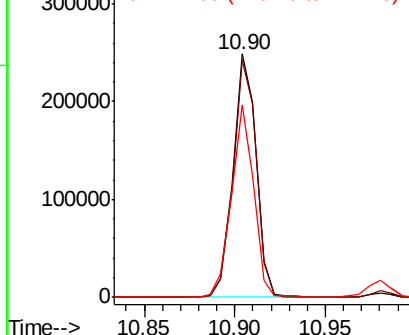


Abundance

Ion 248.00 (247.70 to 248.70): E

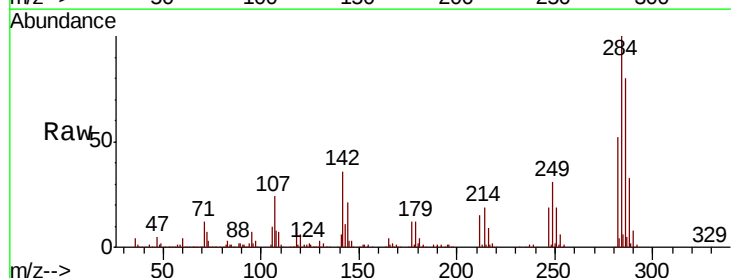
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.139 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.5	28.2	42.2
249	30.9	24.0	36.0

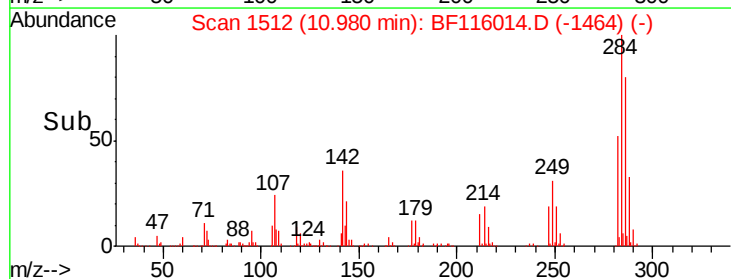
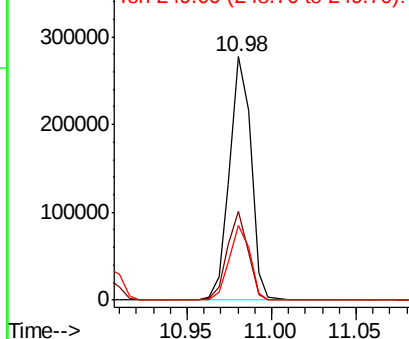


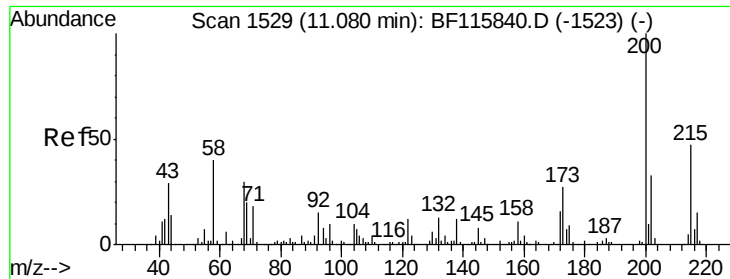
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





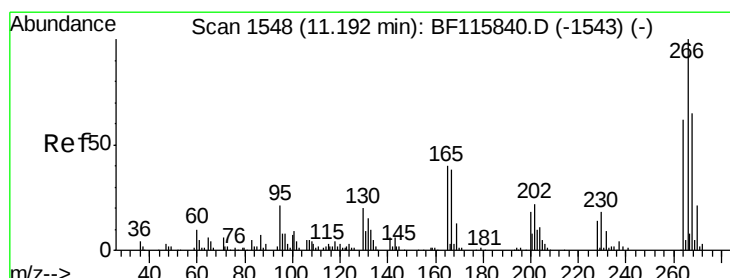
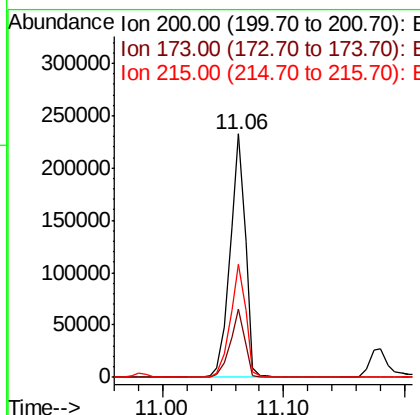
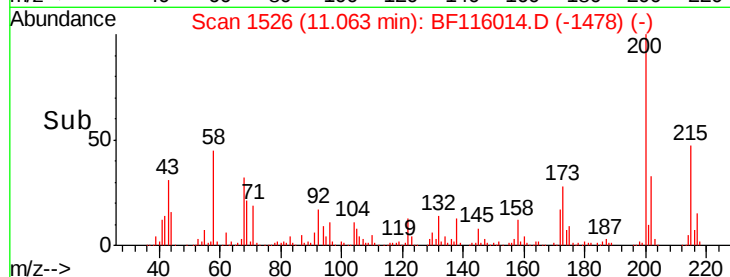
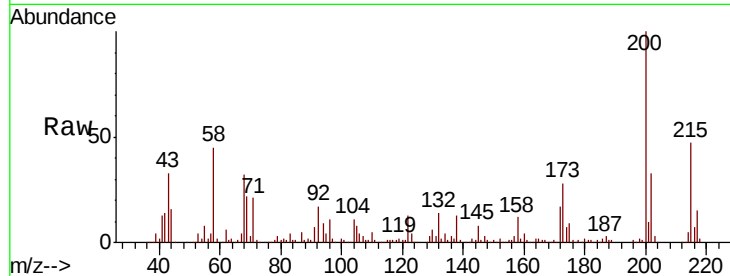
#69
 Atrazine
 Concen: 44.214 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.1	7.3	47.3
215	46.6	26.9	66.9

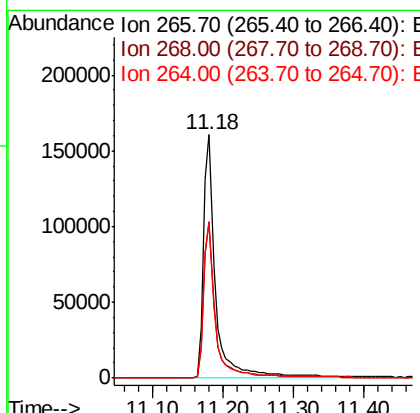
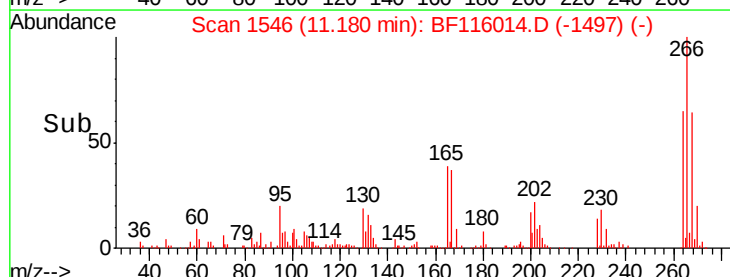
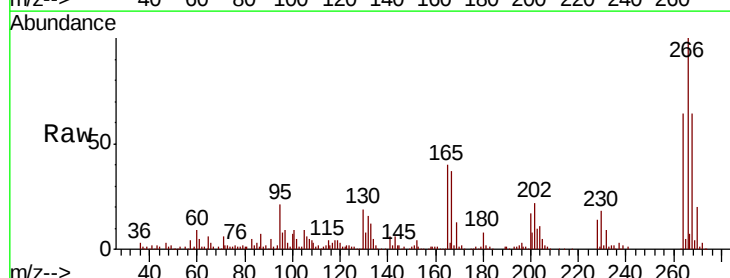
Manual Integrations
 APPROVED

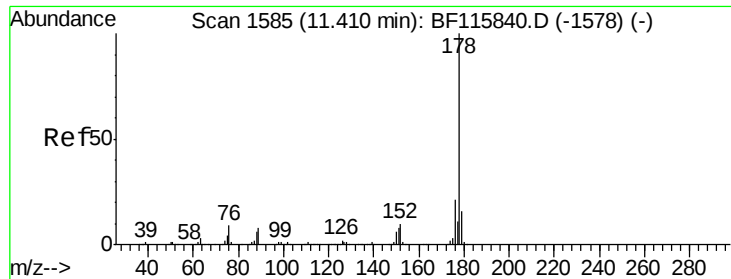
mohammad
 8/7/2019 4:41:59 PM



#70
 Pentachlorophenol
 Concen: 69.302 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.9	51.6	77.4
264	64.5	49.4	74.0





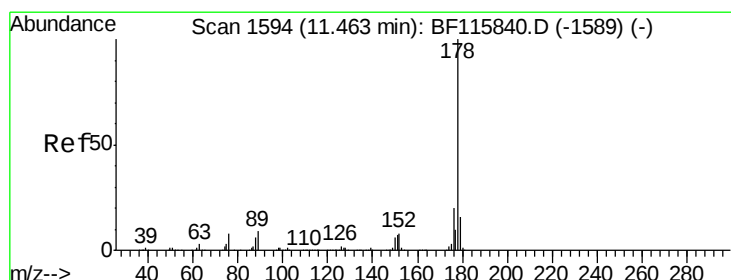
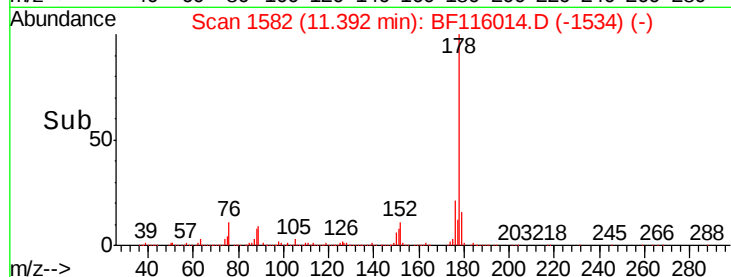
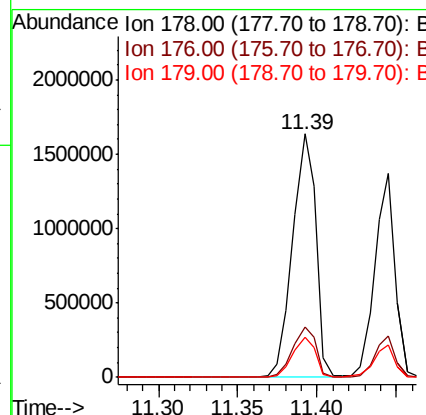
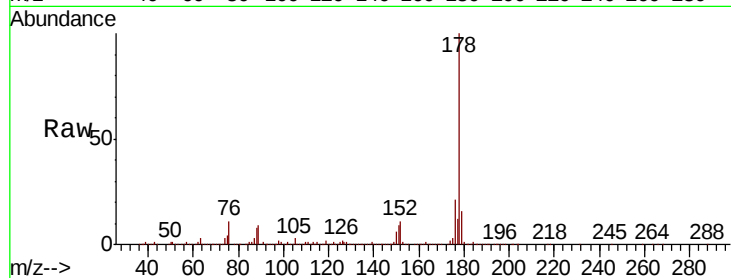
#71
Phenanthrene
Concen: 69.693 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.5	24.7
179	16.3	12.6	18.8

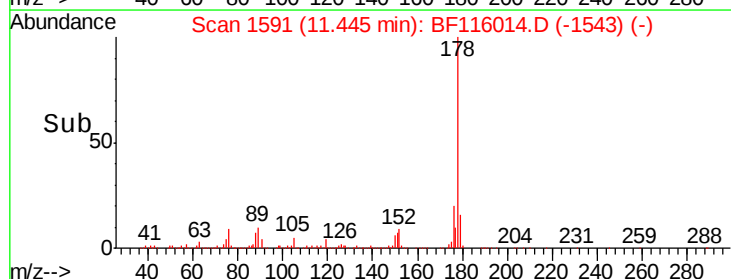
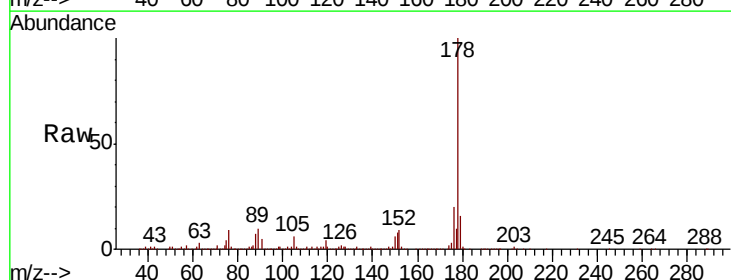
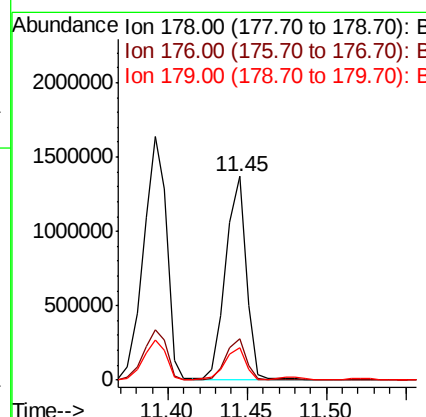
Manual Integrations
APPROVED

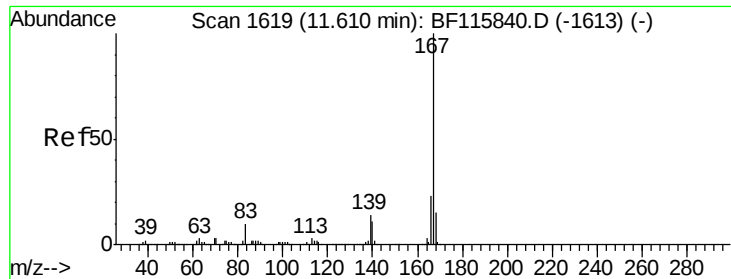
mohammad
8/7/2019 4:41:59 PM



#72
Anthracene
Concen: 51.247 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.8	12.4	18.6





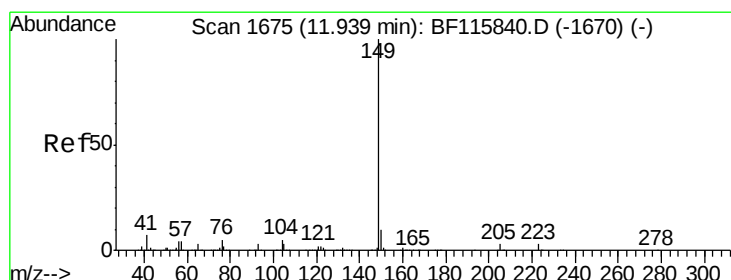
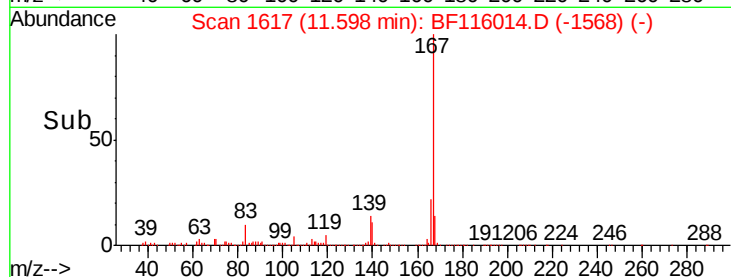
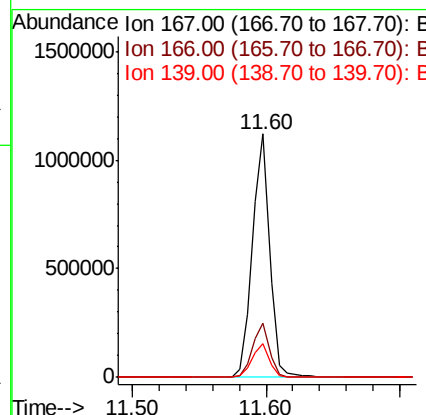
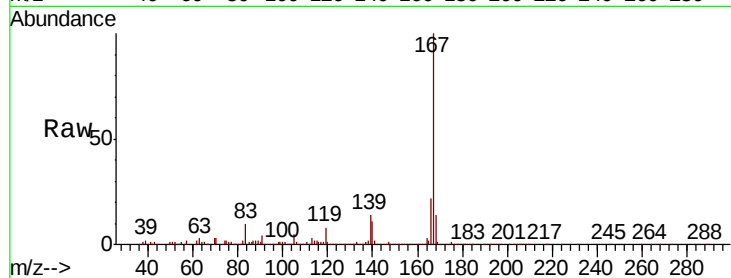
#73
 Carbazole
 Concen: 44.893 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	14.0	11.4	17.2

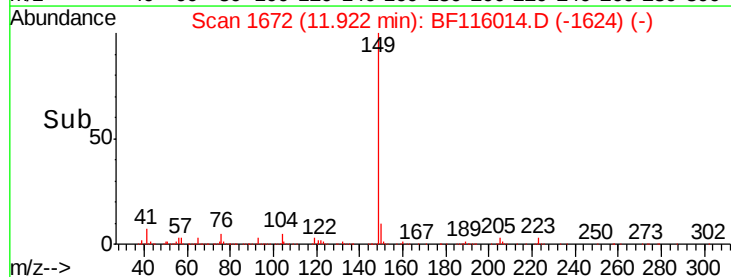
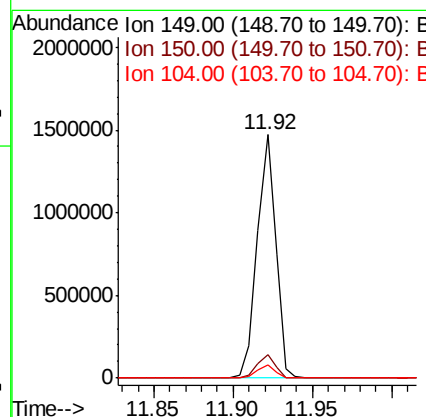
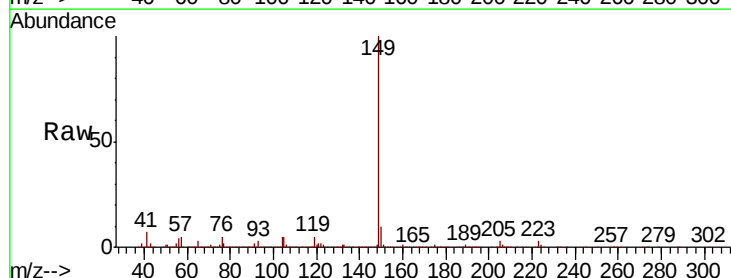
Manual Integrations
 APPROVED

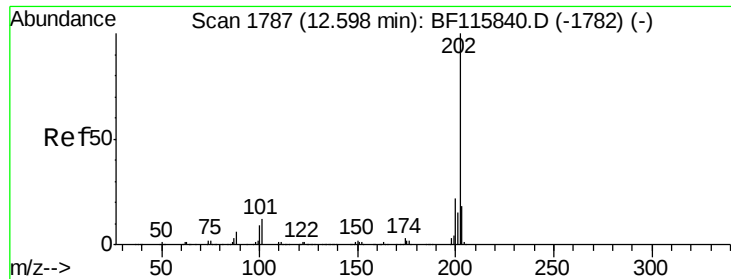
mohammad
 8/7/2019 4:41:59 PM



#74
 Di-n-butylphthalate
 Concen: 46.820 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 73.459 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

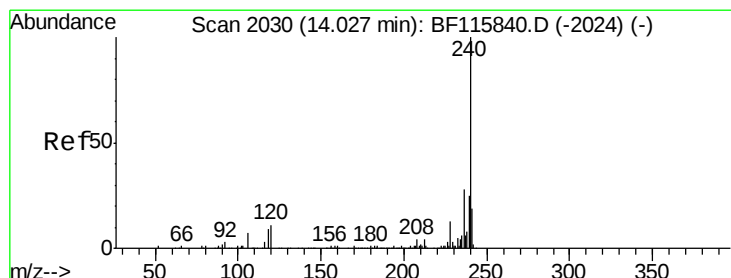
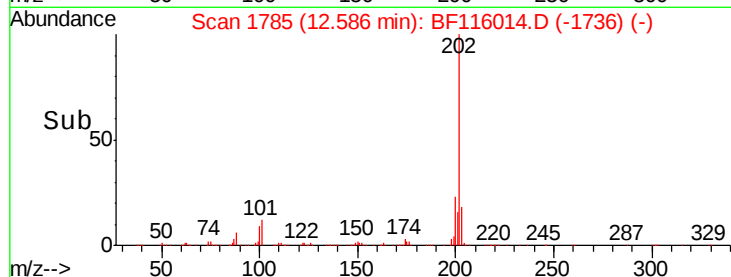
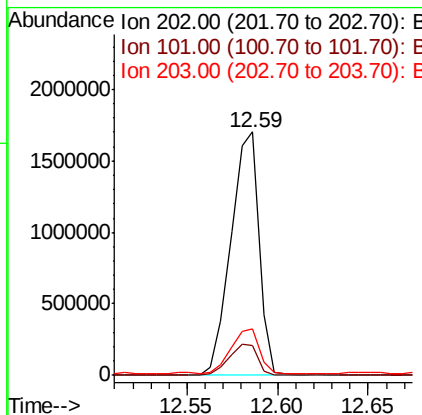
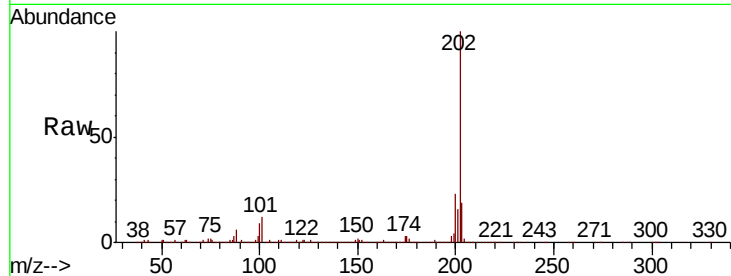
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:	202	Resp:	1839569
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.5
203	19.2	0.0	37.9

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#76

Chrysene-d12

Concen: 20.000 ng

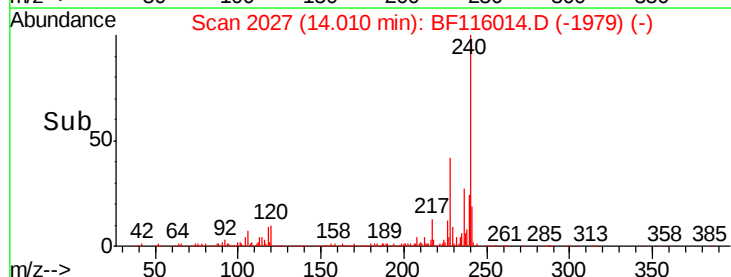
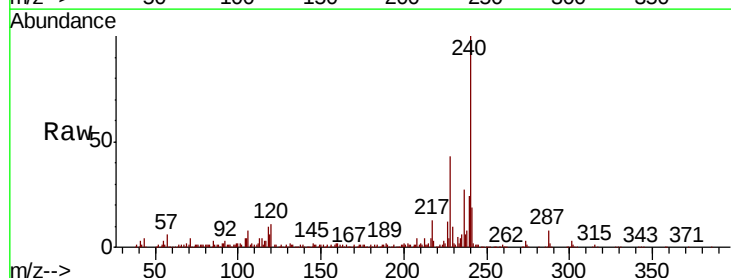
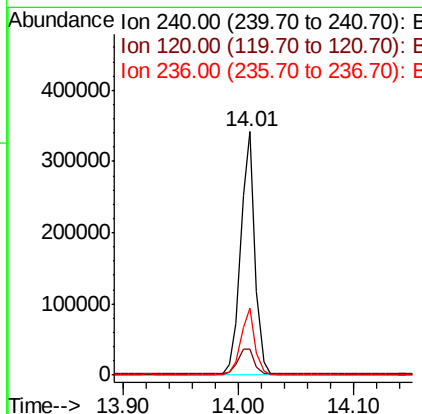
RT: 14.01 min Scan# 2027

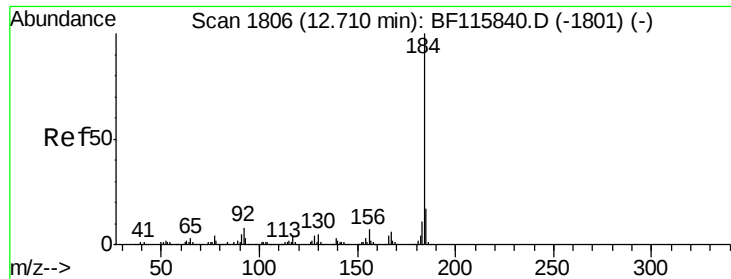
Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion:	240	Resp:	293185
Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.5	12.7
236	27.3	22.2	33.2





#77

Benzidine

Concen: 57.626 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

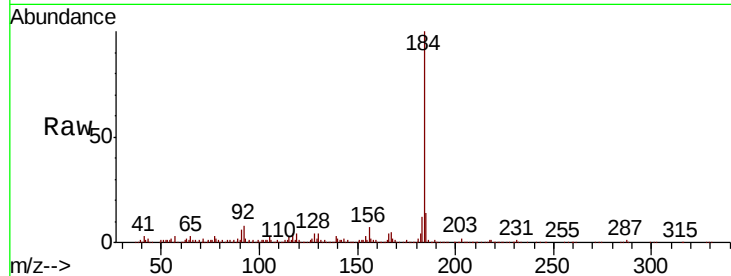
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

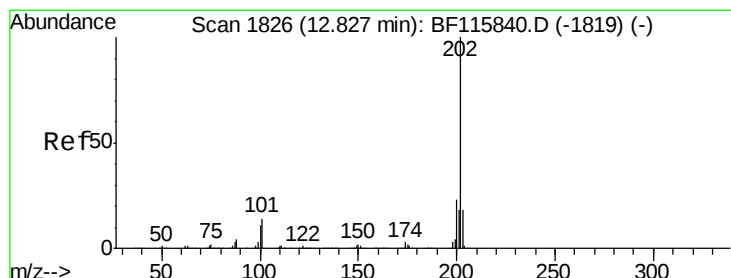
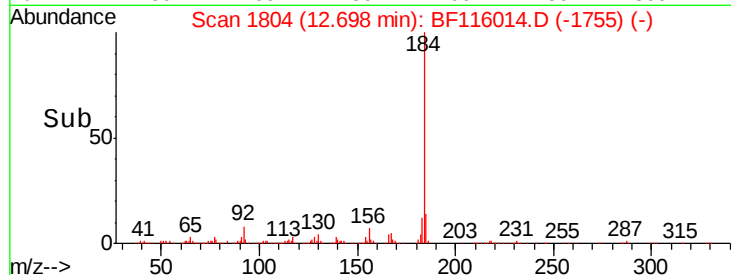
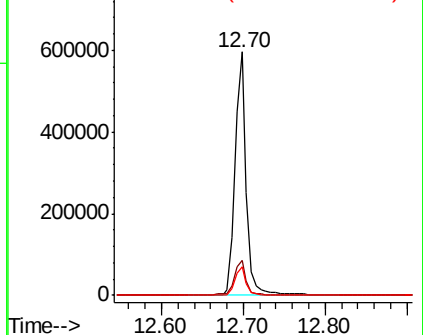
Tot Ion:	184	Resp:	570791
Ion Ratio	Lower	Upper	
184	100		
185	14.5	13.4	20.2
183	11.6	9.1	13.7

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



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



#78

Pyrene

Concen: 78.528 ng

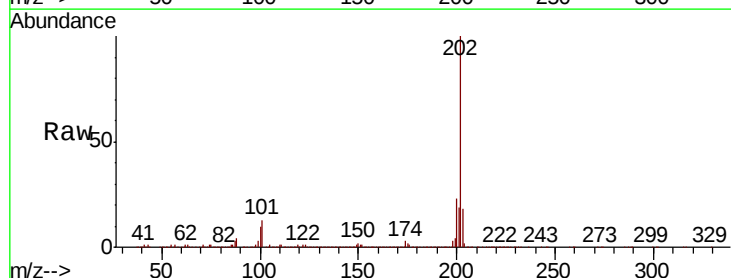
RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

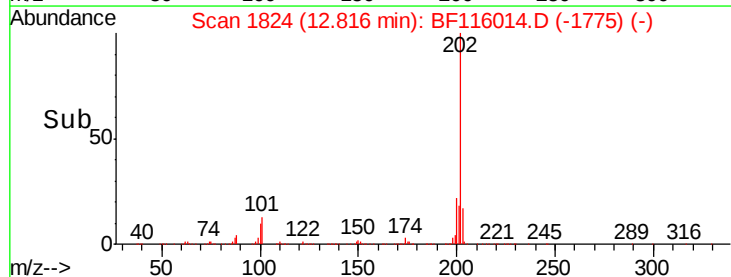
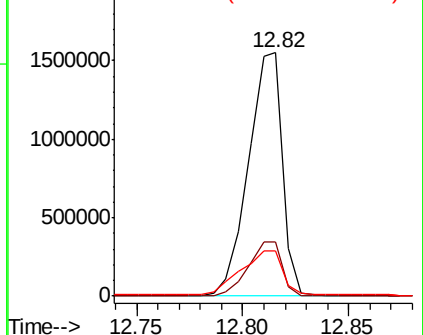
Lab File: BF116014.D

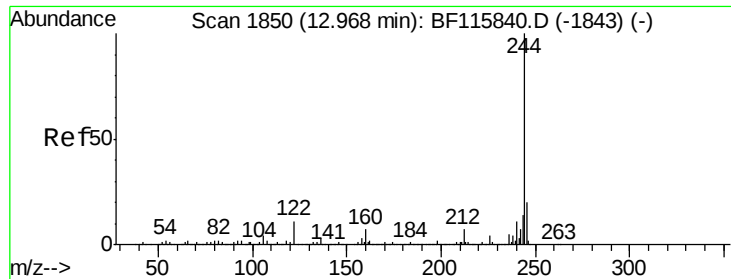
Acq: 6 Aug 2019 15:42

Tgt Ion:	202	Resp:	1735532
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.2	27.2
203	18.4	14.3	21.5



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





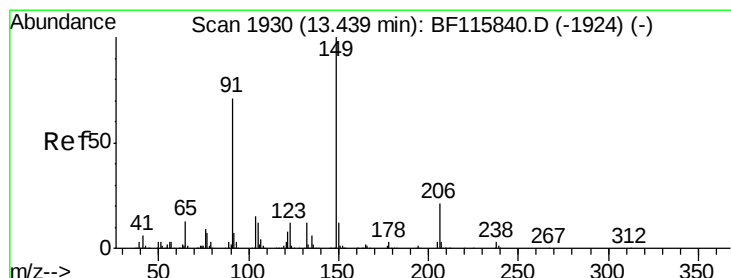
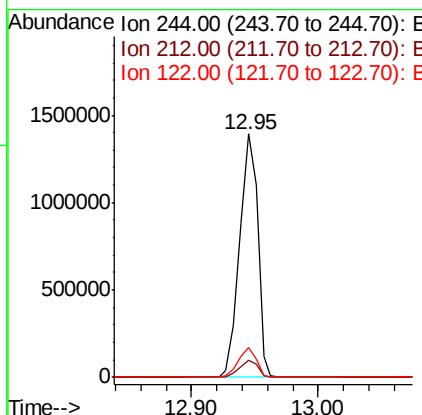
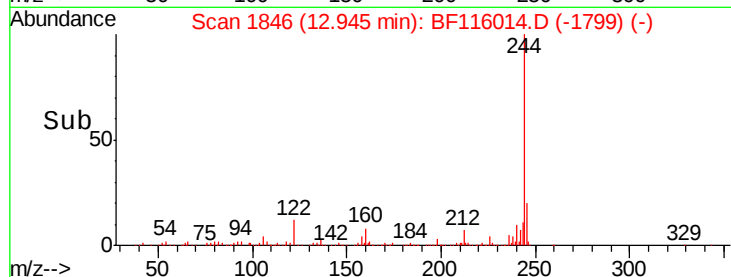
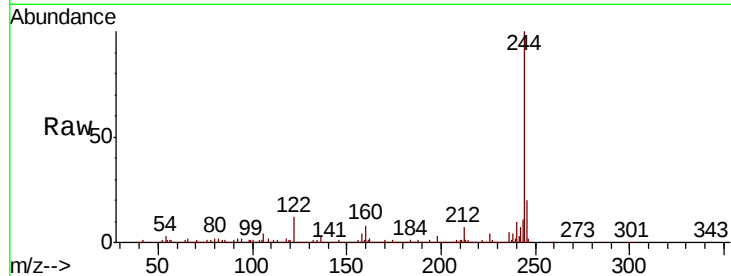
#79
 Terphenyl-d14
 Concen: 97.761 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.3	8.6	13.0

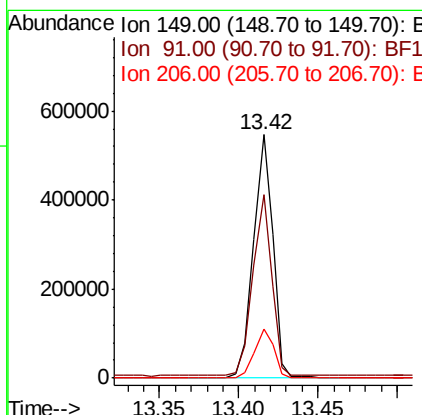
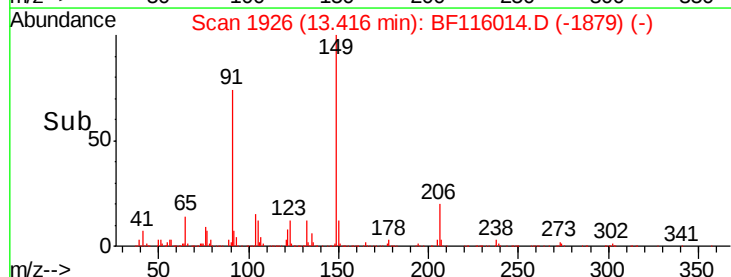
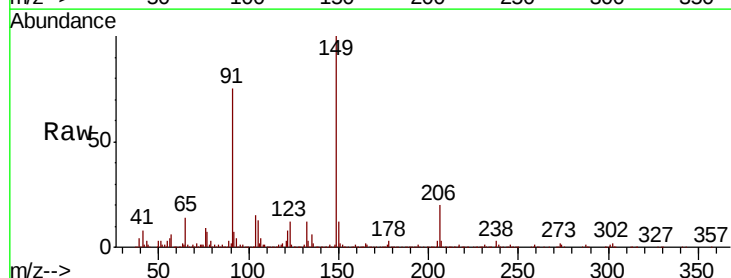
Manual Integrations
 APPROVED

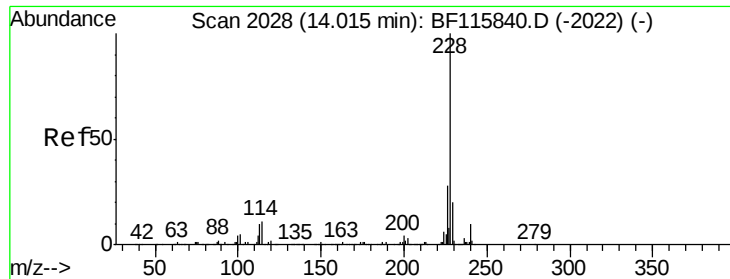
mohammad
 8/7/2019 4:41:59 PM



#80
 Butylbenzylphthalate
 Concen: 48.981 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.02 min
 Lab File: BF116014.D
 Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.3	57.0	85.6
206	20.2	16.9	25.3





#81

Benzo(a)anthracene

Concen: 65.960 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

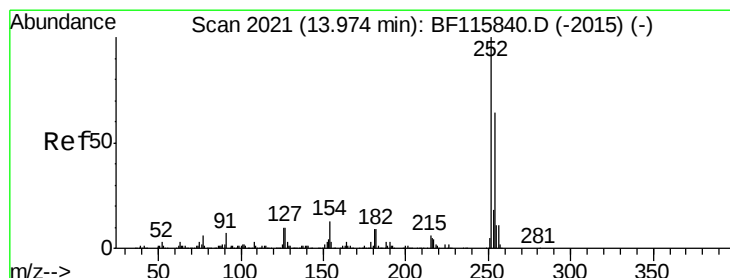
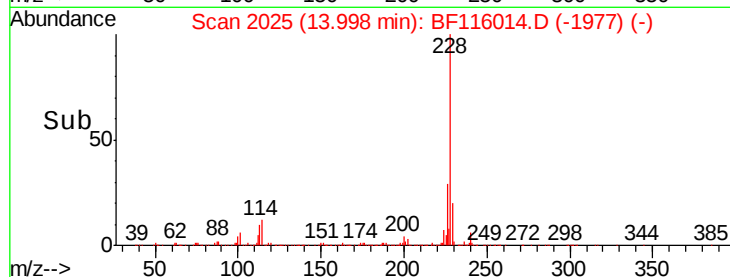
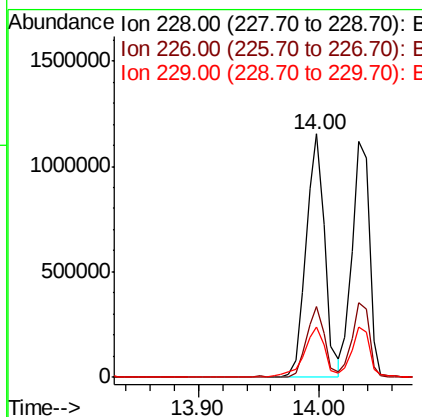
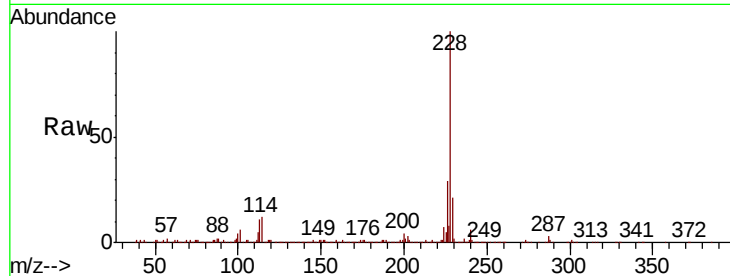
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:	228	Resp:	1236047
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.5	16.1	24.1

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#82

3,3'-Dichlorobenzidine

Concen: 39.080 ng

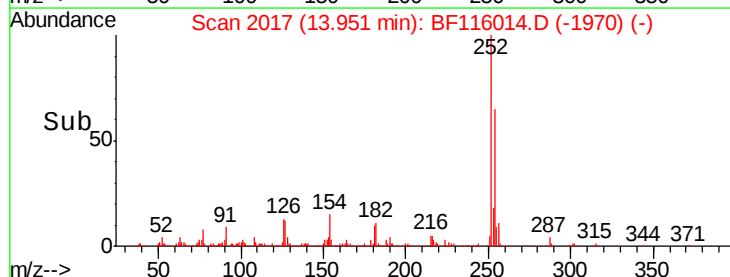
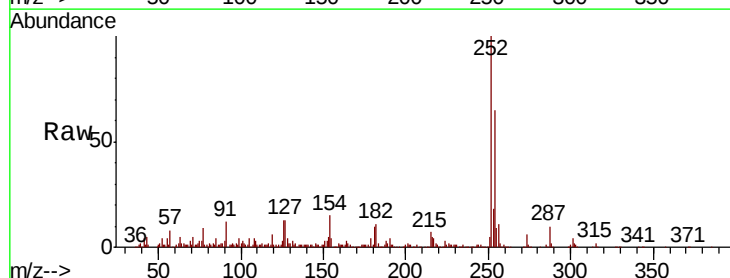
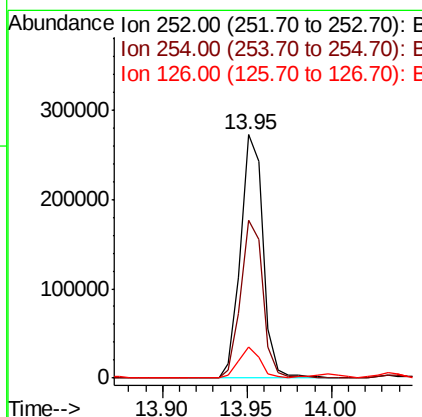
RT: 13.95 min Scan# 2017

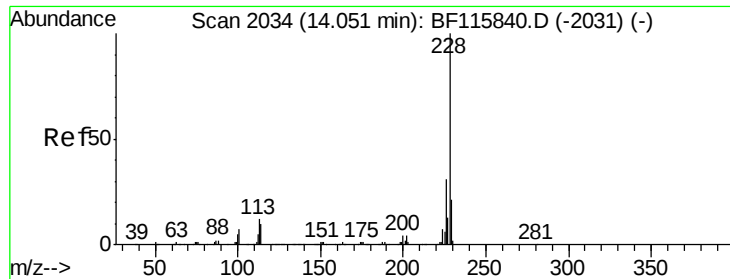
Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion:	252	Resp:	254425
Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	13.0	8.1	12.1





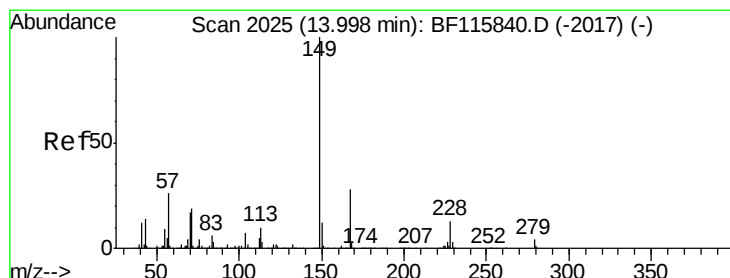
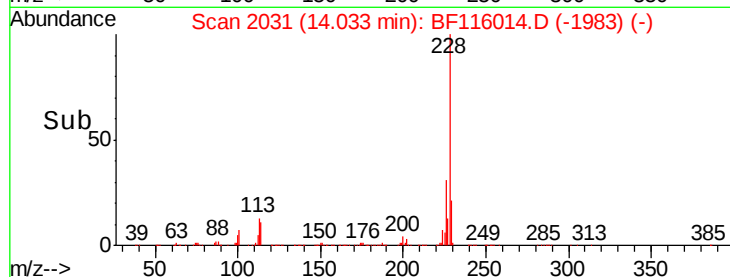
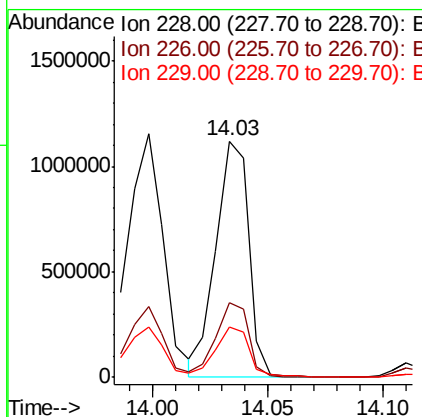
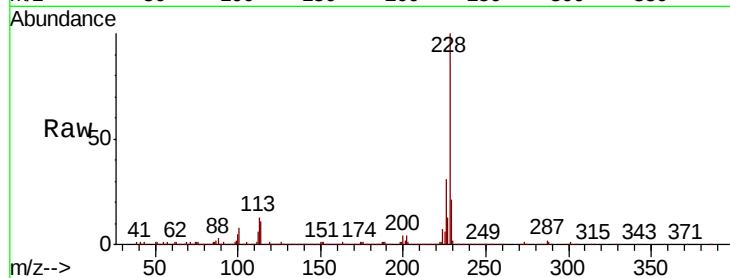
#83
Chrysene
Concen: 61.044 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion:228 Resp: 1110568
Ion Ratio Lower Upper
228 100
226 31.5 24.8 37.2
229 21.3 16.4 24.6

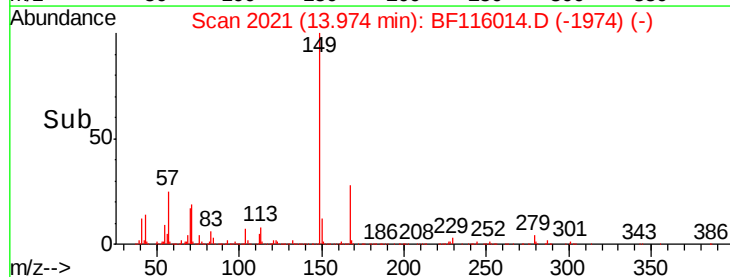
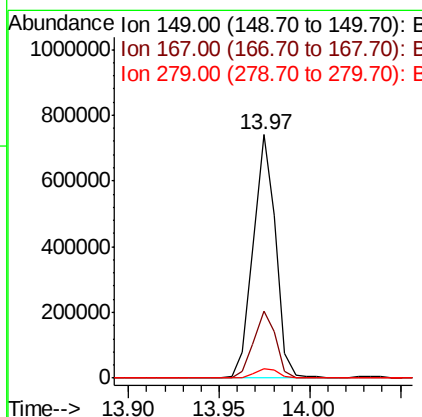
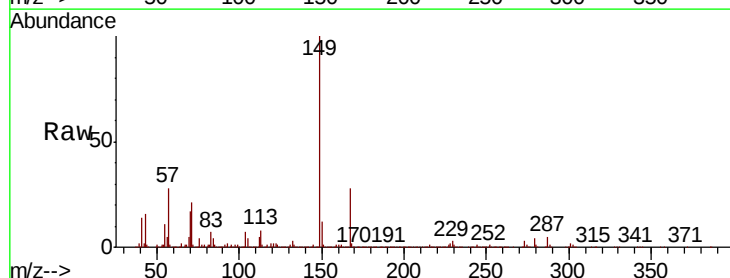
Manual Integrations
APPROVED

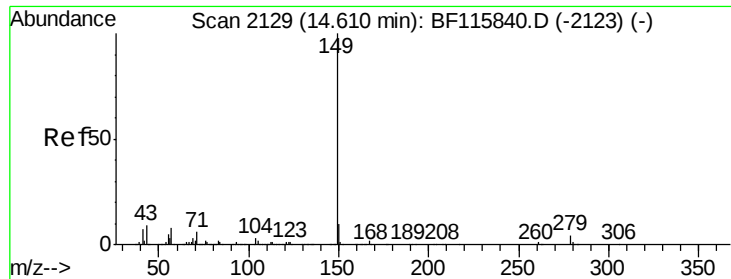
mohammad
8/7/2019 4:41:59 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 52.098 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion:149 Resp: 632911
Ion Ratio Lower Upper
149 100
167 27.6 22.4 33.6
279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 53.712 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:149 Resp: 1036434

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

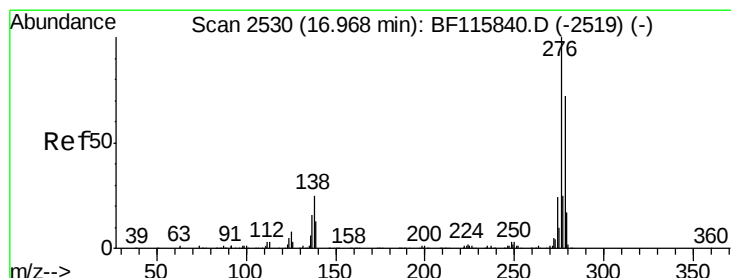
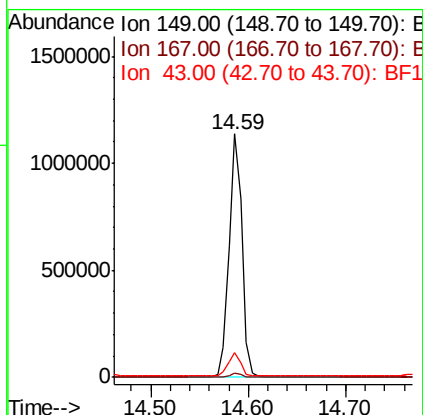
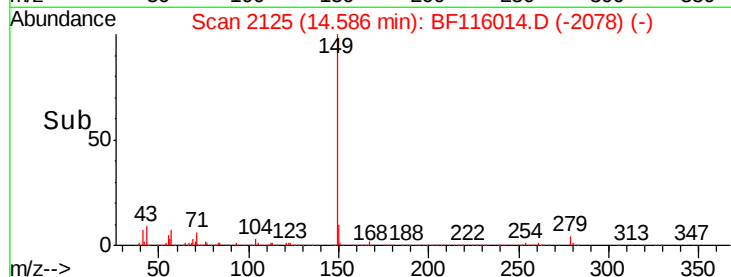
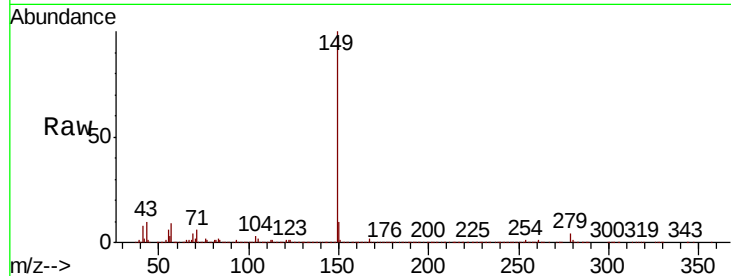
43 9.1 7.4 11.0

Manual Integrations

APPROVED

mohammad

8/7/2019 4:41:59 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 86.804 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

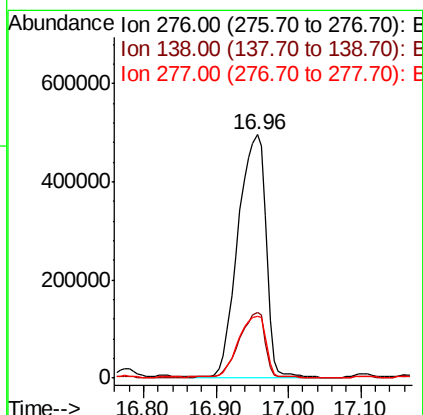
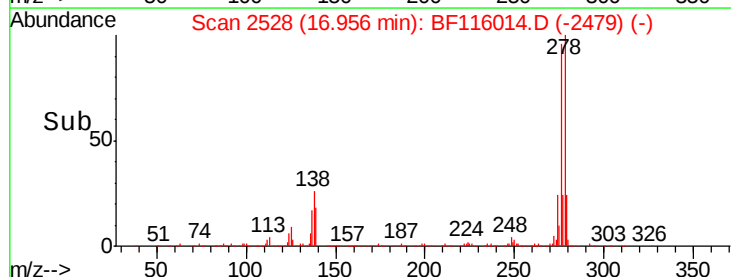
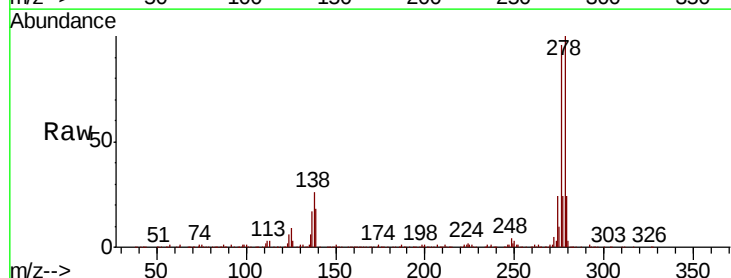
Tgt Ion:276 Resp: 1326379

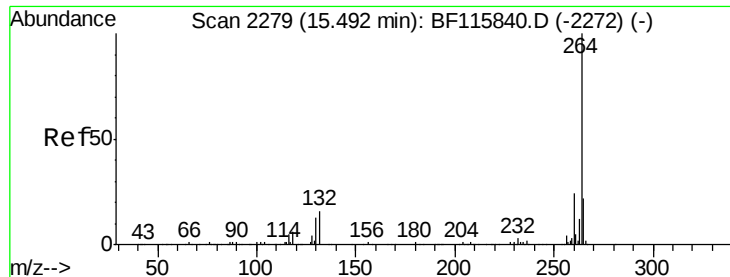
Ion Ratio Lower Upper

276 100

138 24.6 19.6 29.4

277 25.4 20.1 30.1





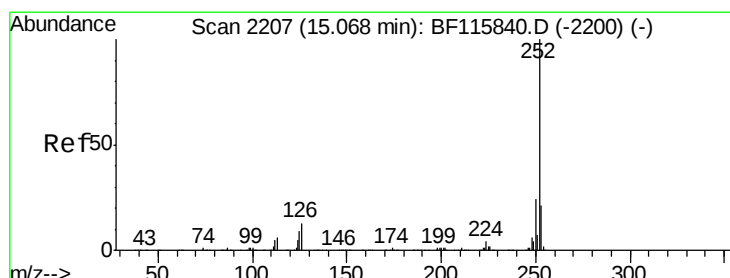
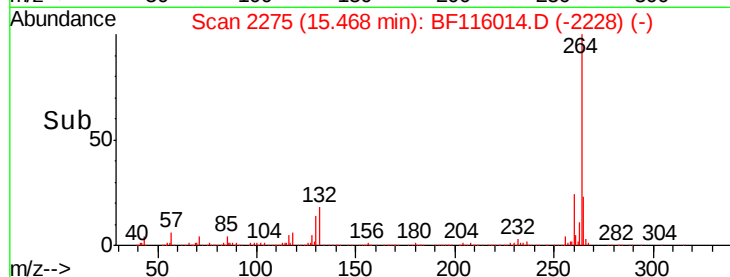
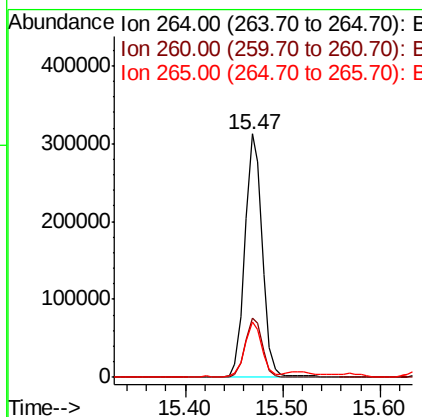
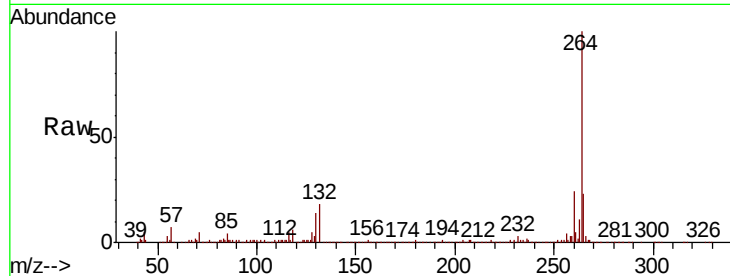
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.7	17.5	26.3

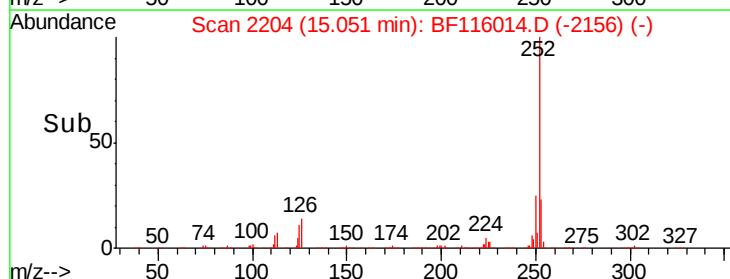
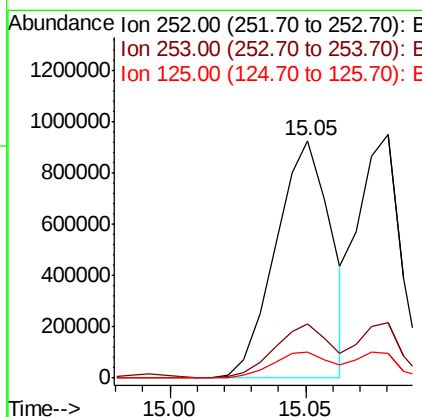
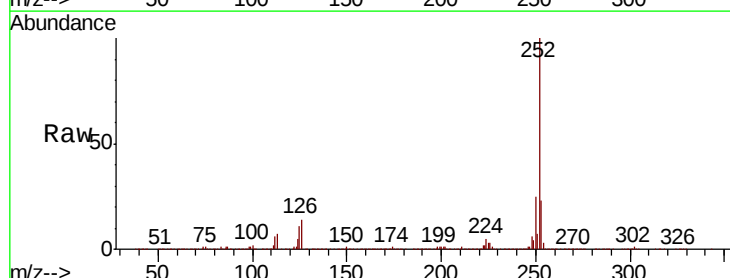
Manual Integrations
APPROVED

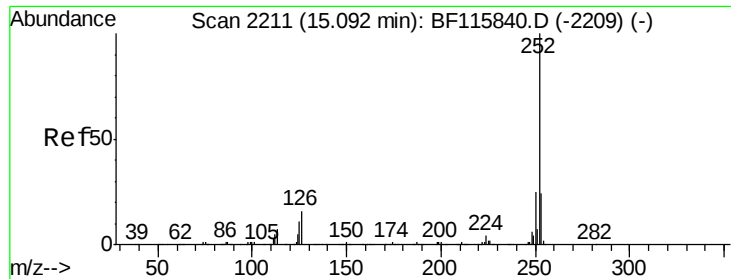
mohammad
8/7/2019 4:41:59 PM



#88
Benzo(b)fluoranthene
Concen: 58.827 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.1	7.4	11.0#





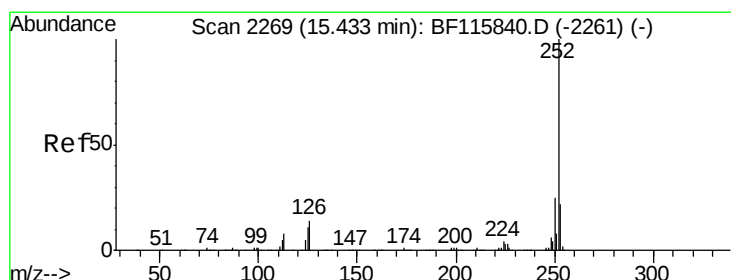
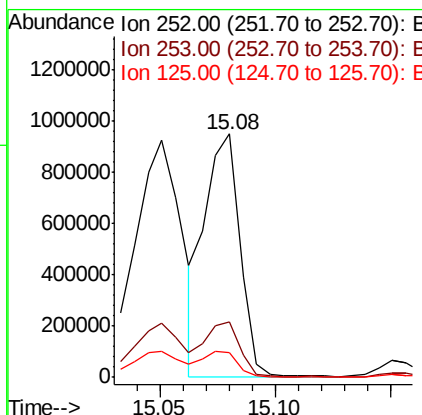
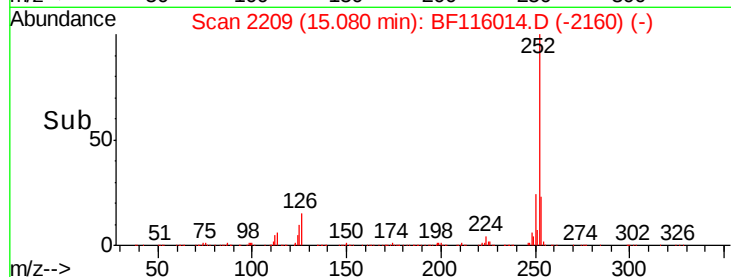
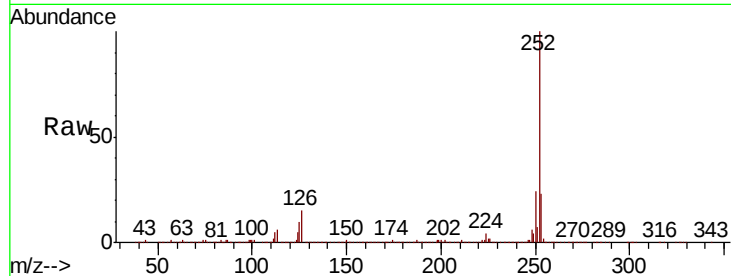
#89
Benzo(k)fluoranthene
Concen: 46.406 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.3	8.9	13.3

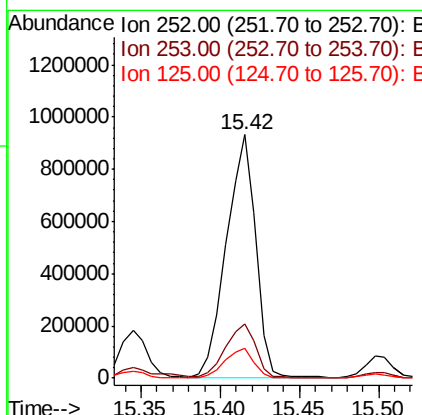
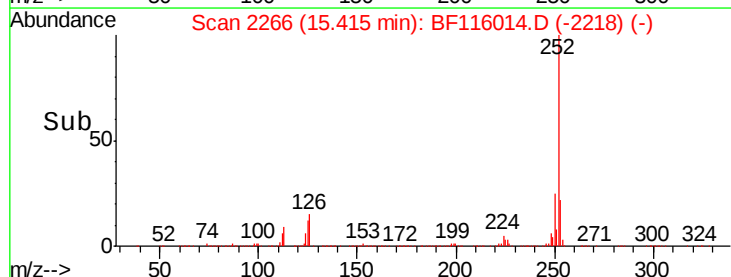
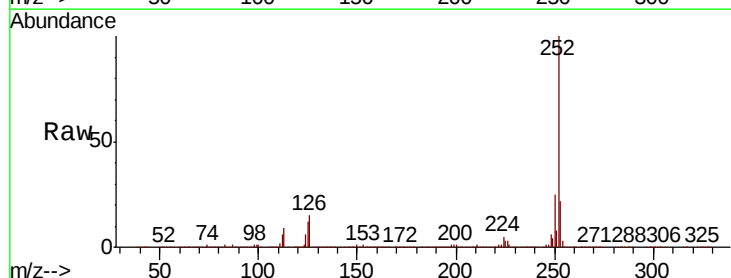
Manual Integrations
APPROVED

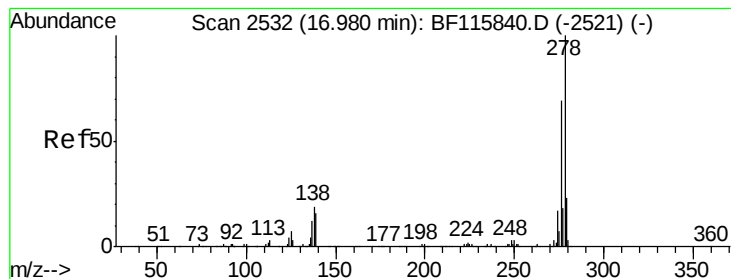
mohammad
8/7/2019 4:41:59 PM



#90
Benzo(a)pyrene
Concen: 59.612 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116014.D
Acq: 6 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.1	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 54.408 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Instrument :

BNA_F

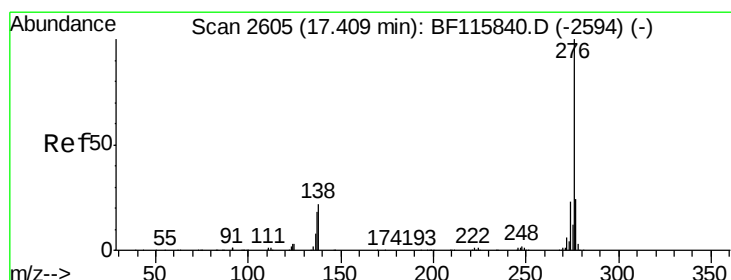
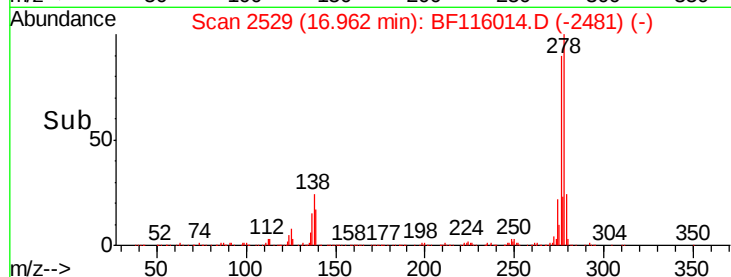
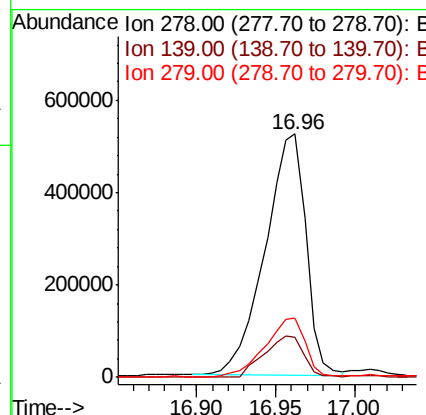
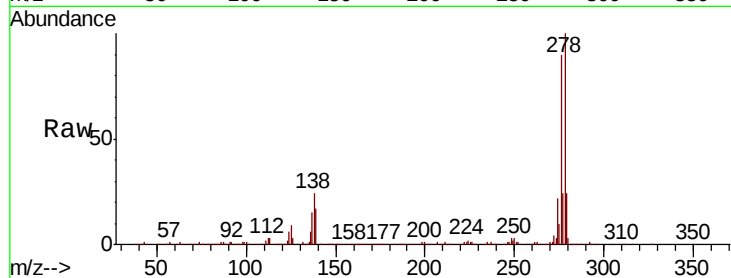
ClientSampleId :

1S-B1-B4-COMP-(30)MSD

Tot Ion:	278	Resp:	939389
Ion Ratio	Lower	Upper	
278	100		
139	16.6	12.6	19.0
279	24.3	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:59 PM



#92

Benzo(g,h,i)perylene

Concen: 66.164 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF116014.D

Acq: 6 Aug 2019 15:42

Tgt Ion:	276	Resp:	1121911
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.5	29.3
138	23.1	17.8	26.8

